Canon

DIGITAL CAMERA

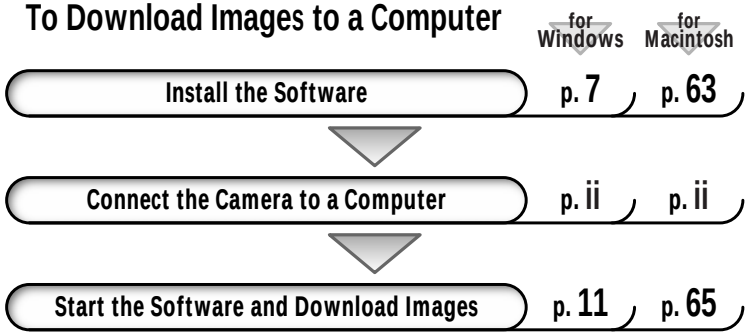
Software Starter Guide

For Use with the Canon Digital Camera Solution Disk Version 5

Windows

Macintosh

To Download Images to a Computer



Start ZoomBrowser EX (Windows) or ImageBrowser (Macintosh computers) and load images onto the computer.

DPOF™

Installing the USB Driver

The USB driver must be installed to connect the camera to a computer (Windows) via a USB interface.
To install the USB driver the easy way, ensure that you install the software before you connect the camera to the computer. This will install the correct USB driver automatically.

- This guide explains the installation method and features of the software for loading and processing images on a computer that have been shot with a Canon digital camera. For detailed instructions on how to use the softwares, see the help files of each software.
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Introduction

Thank you for purchasing a Canon digital camera. This guide explains how to use the software bundled with your camera.

Where to Find Instructions for Attaching Your Camera to a Computer

Models	Where to Find the Instructions
PowerShot Pro90 IS PowerShot G1 PowerShot A10/A20 PowerShot S300 DIGITAL ELPH DIGITAL IXUS 300 PowerShot S110 DIGITAL ELPH DIGITAL IXUS v	Camera User Guide
EOS D30 PowerShot S10/S20 PowerShot S100 DIGITAL ELPH DIGITAL IXUS	[Connect.pdf] file contained on the Canon Digital Camera Solution Disk*

* Connection information can be found on the Canon Digital Camera Solution Disk by opening the [Readme] and [English] folders and selecting the [Connect.pdf] file. Adobe Acrobat Reader must be installed to read this file. If you do not have a copy installed, please use the following procedures to install it.

- Windows
  Open the [Readme], [English] and [Acrobat] folders and double-click the [ar405eng.exe] file to start installing.
- Macintosh
  Open the [Readme], [English] and [Acrobat] folders and double-click the [Reader Installer] file to start installing.

Safety Precautions

Please read the safety precautions carefully before using this product. Ensure that you use the product correctly according to the procedures described in this guide.
The following safety precautions are intended to instruct you in the safe and correct operation of the product and its accessories to prevent injuries or damage to yourself, other persons and property. Please read and ensure that you understand them before you proceed to the other sections of this guide.

⚠ Warnings This mark indicates topics that could lead to death or serious injury if ignored or handled incorrectly.

⚠ Warning

- Do not play the supplied CD-ROM(s) in any CD-ROM Player that does not support data CD-ROMs. The extremely loud sound that may result from playing the CD-ROM(s) in an audio CD player (music player) could damage the speakers. It is also possible to suffer hearing losses from listening with headphones to the loud sounds of a data CD-ROM played on a music CD player.

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Introducing the Software

This section introduces the powerful software programs for the Windows platform contained on the CD-ROM included with the camera.

Canon Digital Camera Solution Disk

Some camera models do not support some of the software functions. Please check the Camera and Software Compatibility chart to confirm the compatibility of your camera. (➜ p. 5)

ZoomBrowser EX

To load camera images, start ZoomBrowser EX.

Camera Connection Functions

(Also effective for CF card readers or PC card readers)

- Displays camera images.
- Downloads still images and movies from the camera to the computer.
- Loads and saves RAW images in the RAW format.
- Converts and saves RAW images in other formats.
- Saves computer images to a CF card in the camera.
- Edits slide shows for replay on the camera.
- Edits the print order settings (DPOF-compliant settings) of images on a CF card.
- Connecting to a USB port automatically starts ZoomBrowser EX and displays the camera images.
- Sets the camera parameters.

Image File Management Functions

- Displays, moves, copies or deletes images stored on computer disks.
- Allows simple editing procedures, such as image color adjustments and cropping.
- Displays all the files in a specified folder at once and zooms them in and out to facilitate visual searches.
- Displays files in chronological order in a window that looks like a time tunnel.
- Replays images from the computer one-by-one at full screen size to simulate a slide show.

Image Printing Functions

- Prints multiple images on the same page using the PhotoRecord printing utility.
- Performs auto layouts.
- Allows you to effortlessly place frames or backgrounds around your images for artistic effect.
- Allows you to place titles or captions anywhere on the page.
- Lets you create your own exclusive photo albums.
- Creates layouts conforming to Canon Perforated Paper dimensions.

Supports PhotoStitch Panoramas

- Allows you to select camera images or images registered with ZoomBrowser EX and start PhotoStitch from within ZoomBrowser EX to merge a series of images into a panorama in a few simple steps.

Supports ArcSoft PhotoImpression, Adobe Photoshop LE or PhotoDeluxe Home Edition

- Allows you to select images registered with ZoomBrowser EX and start one of these photo-retouching programs from within ZoomBrowser EX to edit and apply special effects to your images.

Starts Your E-mail Program

- Starts your e-mail program and prepares images as e-mail attachments.
- Allows you to adjust image size and compression settings so that large files can be made smaller for transmission.

PhotoStitch

- Effortlessly merges images that are shot over several frames with a camera.
- Automatically arranges images shot in Stitch Assist mode into the correct order and effortlessly merges them.
- Merges any number of images horizontally or vertically, or in a matrix format.
- Makes images with straight lines appear natural not crooked when merged. (Select the wide display format.)
- A 360-degree scene shot in several frames can be merged into a 360-degree image and saved in the QuickTime VR format, making it appear as if you were standing in the middle of the image looking about in all directions.

RemoteCapture

- Connecting via a USB port allows you to release the camera's shutter button from the computer. The images load directly into the computer.
- Connecting via a USB port also allows you to load images directly into the computer by clicking the camera's shutter button.
- Allows interval shooting with custom interval and frame settings.

TWAIN Drivers

Canon Digital Camera USB TWAIN Driver (For Windows 98/Me/2000)
Canon Digital Camera RS-232C TWAIN Driver

These are the driver utility programs that work within TWAIN-compliant application programs, such as Adobe Photoshop, to load camera images directly into the application program. The USB TWAIN Driver is for connecting via a USB port. The RS-232C TWAIN Driver is for connecting via a serial (COM) port. Install the RS-232C TWAIN Driver if you are going to load images via a CF card reader or PC card reader in Windows 95 / Windows NT 4.0. Start either TWAIN driver from a TWAIN-compliant application program. Neither TWAIN driver can be used as a stand-alone program.

USB WIA Driver

Canon Digital Camera USB WIA Driver (For Windows Me)

As the driver software for the USB interface, it can automatically start Windows' Scanners and Cameras Wizard and download images to the computer. It can also display the images in the camera as thumbnails in Windows Explorer, allowing them to be effortlessly downloaded just by copying them to a folder.

Apple QuickTime

- Installing Apple QuickTime allows you to replay the movies you shot or view images in the QuickTime VR format that you merged with PhotoStitch.

ArcSoft Camera Suite CD-ROM*

ArcSoft PhotoImpression

- Allows you to edit and apply special effects to images as well as effortlessly create greeting cards and calendars.

ArcSoft VideoImpression

- Allows you to effortlessly edit and save movies, making it easy to integrate movie clips and stills into a single movie or delete frames.

Adobe Photoshop LE CD-ROM*

Adobe Photoshop LE

- Allows you to edit images, apply special effects, print and create sophisticated graphics for the web.

Adobe PhotoDeluxe Home Edition CD-ROM*

Adobe PhotoDeluxe Home Edition

- Allows you to edit images and effortlessly create greeting cards, birthday cards and calendars.

* The retouching software bundled with cameras varies between camera models. Some models are not bundled with retouching software. Please refer to the System Map for the programs supplied with your camera.

Camera and Software Compatibility

The Canon Digital Camera Solution Disk contains a number of software programs and drivers. Check the chart below for the compatibility of your particular camera model with each program's special functions.

Function	Software	Model										
			PowerShot Series									
		EOS D30	Pro90 IS	G1	S10/S20	A10/A20	S100 DIGITAL ELPH	S300 DIGITAL ELPH	S110 DIGITAL ELPH	DIGITAL IXUS	DIGITAL IXUS 300	DIGITAL IXUS v
Computer Interface	USB(1)	●	●	●	●	●	●	●	●	●	●	●
	Serial	–	●	●	●	–	–	–	–	–	–	–
Downloading Camera Images	ZoomBrowser EX TWAIN Driver	●	●	●	●	●	●	●	●	●	●	●
Downloading Movies	ZoomBrowser EX	–	●	●	–	–	–	●	●	–	●	●
RAW Image Conversion	ZoomBrowser EX TWAIN Driver	●	●	●	–	–	–	–	–	–	–	–
Uploading Images to Camera	ZoomBrowser EX	●	●	●	●	●	●	●	●	●	●	●
Editing Camera Slide Show	ZoomBrowser EX	–	●	●	●	–	–	–	–	–	–	–
Editing Camera Print Settings	ZoomBrowser EX	●	●	●	●	●	●	●	●	●	●	●
Merging Images Shot in Stitch Assist Mode	PhotoStitch	–	●(3)	●(3)	●	●	●	●	●	●	●	●
Shooting from the Computer	RemoteCapture(2)	●	●	●	–	●	–	●	●	–	●	●

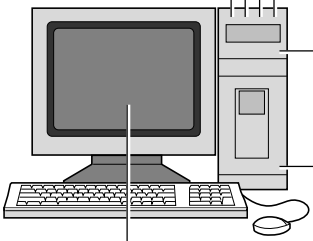
(1) Only compatible with computers with built-in USB ports running pre-installed versions of Windows 98, Windows Me or Windows 2000.

(2) Only compatible with the USB interface.

(3) Images shot with the Wide Converter, Tele-converter or Close-up lens do not merge well in PhotoStitch.

System Requirements

The following system requirements must be met to install and operate the software.



- **Computer Model**
  IBM PC / AT compatible
- **OS**
  Windows 95, Windows 98 (Including the Second Edition), Windows Millennium Edition (Windows Me), Windows NT 4.0 (Service Pack 3 or a later version required) or Windows 2000.
- **CPU**
  Pentium 150 MHz or better
- **RAM**
  32 MB or more (Windows 95/Windows 98)
  64 MB or more (Windows Me/Windows NT 4.0/Windows 2000)
- **Interface**
  USB: (Limited to pre-installed Windows 98, Windows Me or Windows 2000 systems)
  RS-232C: (Serial or COM Port)
- **Free Hard Disk Space**

Canon Utilities	
ZoomBrowser EX: (Including the PhotoRecord printing utility)	120 MB or more
PhotoStitch:	40 MB or more
RemoteCapture:	20 MB or more
Canon Digital Camera USB TWAIN Driver:	25 MB or more
Canon Digital Camera RS-232C TWAIN Driver:	15 MB or more
Canon Digital Camera USB WIA Driver:	25 MB or more
Adobe Photoshop LE*:	40 MB or more
Adobe PhotoDeluxe Home Edition*: (Works with the Windows 95/98/NT operating systems)	140 MB or more
ArcSoft PhotoImpression*:	125 MB or more
ArcSoft VideoImpression*:	30 MB or more

- **Display**
  Minimum: 800 x 600 pixels, 256 colors (8 bit)
  Recommended: 1,024 x 768 pixels, High Color (16 bit) or more
  High Color (16 bit) or more is required to use ArcSoft PhotoImpression or ArcSoft VideoImpression.

* The retouching software bundled with cameras varies between camera models. Some models are not bundled with retouching software. Please refer to the *System Map* for the programs supplied with your camera.

- A cable connection via a USB port is only supported for computers pre-installed with Windows 98, Windows Me or Windows 2000, or those upgraded to Windows Me from a pre-installed version of Windows 98.
- A CD-ROM drive is required to install the software.
- QuickTime 3.0 or a later version is required to replay movies captured by the camera or to save images merged with PhotoStitch in the QuickTime VR format.
- QuickTime 4.1 is contained on the Canon Digital Camera Solution Disk.
- A sound card is required to replay soundtracks for movie files.

Installing/Uninstalling the Software

Installing from the Canon Digital Camera Solution Disk

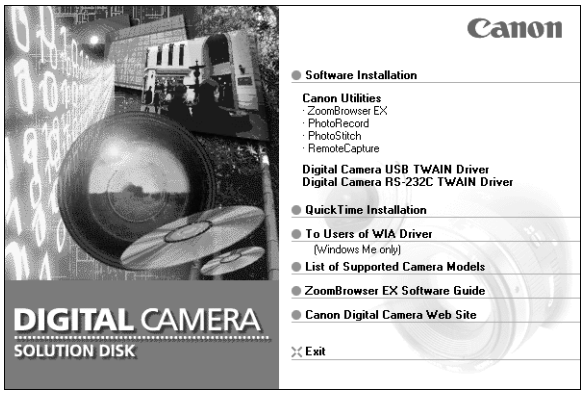
If you are installing the software onto Windows NT 4.0 or Windows 2000, you must first log on as the administrator and then install the software.

Precaution about the USB Interface

- Ensure that you install the software from the Canon Digital Camera Solution Disk onto the computer before you attach the camera to the computer's USB port. If you attach the camera to the USB port after installing the software, it will automatically select the correct USB driver.

1. Close any programs that are running.

2. Place the Canon Digital Camera Solution Disk in the CD-ROM drive.
The installer panel will automatically display.



- If the installer panel does not automatically display, use the following procedures to start it.
  1. Double-click the [My Computer] icon on the desktop, and double-click the CD-ROM icon in the next window.
  2. Double-click the [Setup] icon.

3. Click [Software Installation].

4. Select the install location and click the [Next] button.

5. Select the software you wish to install and follow the on-screen instructions to proceed.

6. Click the [Exit] button when the installation is complete and the installer panel appears again.

Installing from the ArcSoft Camera Suite CD-ROM

To install ArcSoft PhotoImpression or VideoImpression, place the ArcSoft Camera Suite CD-ROM into the drive and double-click the [My Computer] icon on the desktop followed by the [ArcSoft] folder and [Setup.exe] icon. Follow the on-screen instructions to install the program.

Installing from the Adobe Photoshop LE CD-ROM

To install Adobe Photoshop LE, place the Adobe Photoshop LE CD-ROM in the drive and double-click the [My Computer], [Photosle], [English], and [Photosle] folders, followed by the [Setup.exe] file. Follow the on-screen instructions to continue with the installation.

> You must input the software serial number to install Adobe Photoshop LE. It can be found on the CD-ROM case.

Installing from the Adobe PhotoDeluxe CD-ROM

For installation instructions, place the Adobe PhotoDeluxe CD-ROM in the drive and click [Readme & Guide] and [Install Guide] in the window that displays.

> Write down the serial number shown during installation because it is required for the user registration process.

Uninstalling the Software

- To remove the installed software, click the Windows [Start] menu and select [Settings], [Control Panel] and [Add / Remove Programs]. ZoomBrowser EX can also be uninstalled by clicking the [Start] menu and selecting [Programs], [Canon Utilities], [ZoomBrowser EX], and [ZoomBrowser EX Uninstall]. (PhotoRecord, PhotoStitch and RemoteCapture can be removed with the same procedures.)
- To remove ArcSoft PhotoImpression or ArcSoft VideoImpression, click the Windows [Start] menu and select [Programs], [ArcSoft Camera Suite], and [Uninstall].
- To remove Adobe Photoshop LE, click the Windows [Start] menu and select [Programs], [Adobe], [Photoshop Limited Edition] and [Uninstall Photoshop Limited Edition].
- To remove Adobe PhotoDeluxe Home Edition, click the Windows [Start] menu and select [Programs], [Adobe], [PhotoDeluxe Home Edition] and [Uninstall PhotoDeluxe Home Edition].

Installing the USB Driver
(Preinstalled Windows 98/Me/2000 Systems Only)

Notes Regarding Installation

- Ensure that you install the contents of the Canon Digital Camera Solution Disk before you attach the camera to the computer's USB port. This will allow the automatic selection of the correct USB driver.
- The USB driver only needs to be installed the first time the camera is connected via the USB interface. Installation is not required from the second time onward.
- Do not cancel the installation partway through. Allow the procedure to finish completely before exiting. The camera may not operate correctly if the installation is incomplete.
- Read the "Troubleshooting the USB Driver Installation" section on page 52 if the installation cancels itself during the procedure, if the installation does not proceed as described in these procedures, or if you think that the drivers are not properly installed.
- Read the "Uninstalling the USB Driver" section on page 52 for instructions for that procedure.

Installing the USB Driver

Windows 2000 users should log on as the Administrator before commencing installation.

1. Once you have attached the USB cable to the camera and computer, set the camera to the mode for communicating with a computer.

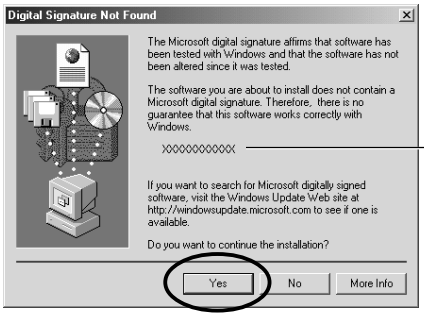
Refer to *Where to Find Instructions for Attaching Your Camera to a Computer* (➜ p. ii) for connection instructions.

The "Add New Hardware Wizard" dialog will appear after a moment and automatically install the USB driver.

Windows Me or Windows 2000 Users

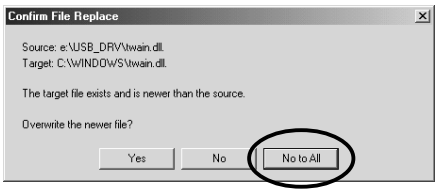
If the "Digital Signature Not Found" message displays partway through installation, follow the procedures below.

1. Click the [Yes] button if the "Digital Signature Not Found" message displays.


Digital Signature Not Found
The Microsoft digital signature affirms that software has been tested with Windows and that the software has not been altered since it was tested.
The software you are about to install does not contain a Microsoft digital signature. Therefore, there is no guarantee that this software works correctly with Windows.
XXXXXXXXXX
If you want to search for Microsoft digitally signed software, visit the Windows Update Web site at http://windowsupdate.microsoft.com to see if one is available.
Do you want to continue the installation?
Yes
No
More Info

Your camera model name will appear here.

2. Click [No to All] if the "Confirm File Replace" dialog displays.



- If a dialog prompts you to restart your computer, remove the CD-ROM from the drive and restart the computer as instructed.

Installing and uninstalling the WIA driver

If you are using Windows Me, you can choose to install the WIA driver instead of the default USB Twain driver.

1. Set the Solution disk in the CD-ROM drive.
   The install panel opens automatically.
2. Click [To Users of WIA Driver].
   The restrictions for WIA driver operation notice and install/uninstall methods are displayed. If you intend to use the WIA driver, please look at these restrictions for WIA driver operation. Read the information carefully and then start the installation.
   When you uninstall the driver, also read and follow the information.

Using ZoomBrowser EX the First Time
(From Loading to Printing)

This section provides a simple explanation of the procedures for using ZoomBrowser EX to perform each of the steps from loading to printing. Please refer to the ZoomBrowser EX Help file or PDF file (ZoomBrowser EX Software Guide) for more details. You can access the ZoomBrowser EX Software Guide from the installer panel.

Some camera models do not support all of the connection interfaces. Please check the *Camera and Software Compatibility* chart to confirm your camera's compatibility. (➜ p. 5)

What to Do if the "Caution! Connection Time" Dialog Displays

- If a set period of time passes without a camera function being accessed when the camera is connected via the USB interface, a message on the computer display will ask if you wish to remain connected. If you do not access a function, the camera will close the connection after an additional minute passes. (The power will remain on and no message will appear if the camera is powered by a household power source or its auto power off function is set to Off (excluding PowerShot S10/S20 models)).
- To reopen the connection, press the camera's shutter button or main switch. Please see the Camera User Guide for details.

Starting ZoomBrowser EX

USB Interface

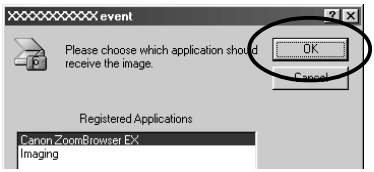
1. Attach the camera to the computer with the USB cable.

Refer to *Where to Find Instructions for Attaching Your Camera to a Computer* (➜ p. ii) for connection instructions.

2. Set the camera to the mode for communicating with a computer.
After a moment, an event dialog will allow you to select an application program to start.

3. Select [Canon ZoomBrowser EX] and click the [OK] button.

Your camera model name will appear here.



ZoomBrowser EX will start and display the camera's images as small thumbnail images in the ZoomBrowser EX Camera Window. (➜ p. 14)
Quick Tips will automatically display. Read these tips to quickly again an understand of the operating procedures.

How to Have ZoomBrowser EX Start Automatically

- If you want ZoomBrowser EX to start automatically without first displaying the event dialog, use the procedures below to change the settings.
  1. Open the [My Computer] window while the camera is connected to the computer via the USB interface.
  2. Open the [Control Panel] and select [Scanners and Cameras] and your camera model.
  3. Click the [Properties] button and display the [Events] tab.
  4. A list of applications registered for automatic starting will display. Remove the checks beside every program except for ZoomBrowser EX. Click the [OK] button.
- ZoomBrowser EX will start automatically the next time you connect the camera. If the [Disable device events] option has a check mark, the automatic start will be turned off.

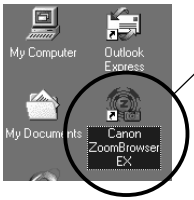
CF Card Reader or PC Card Slot Interface

1. Place the CF card into the CF card reader or into the PC card adapter and then into the PC card slot.

> Refer to *Where to Find Instructions for Attaching Your Camera to a Computer* (➜ p. ii) for connection instructions.

2. Start ZoomBrowser EX.

Double-click the [Canon ZoomBrowser EX] icon on the desktop to start the program.



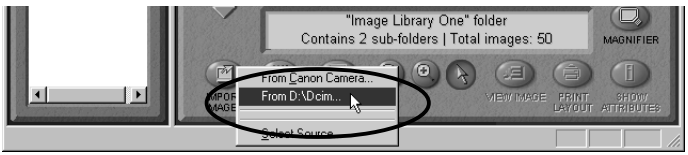
Canon ZoomBrowser EX Icon

If the [Canon ZoomBrowser EX] icon does not appear on the desktop, click the Windows [Start] button and select [Programs], [Canon Utilities], [ZoomBrowser EX] and [ZoomBrowser EX].

Quick Tips will automatically display. Read these tips to quickly understand operating procedures.

3. Click the [Import Images] button and select [From D:\Dcim].

The images from the CF card will display in ZoomBrowser EX Camera Window as small thumbnail images. (➜ p. 14)



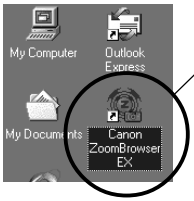
Serial Interface

1. Attach the camera to the computer with the serial cable.

> Refer to *Where to Find Instructions for Attaching Your Camera to a Computer* (➜ p. ii) for connection instructions.

2. Set the camera to the mode for communicating with a computer.

3. Start ZoomBrowser EX.
Double-click the [Canon ZoomBrowser EX] icon on the desktop to start the program.

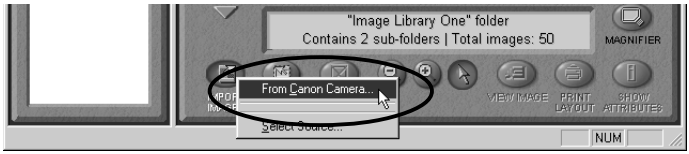


Canon ZoomBrowser EX Icon

If the [Canon ZoomBrowser EX] icon does not appear on the desktop, click the Windows [Start] button and select [Programs], [Canon Utilities], [ZoomBrowser EX] and [ZoomBrowser EX].

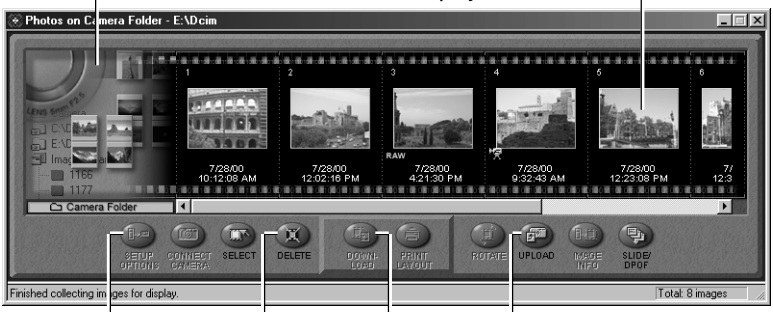
Quick Tips will automatically display. Read these tips to quickly understand operating procedures.

4. Click the [Import Images] button and select [From Canon Camera].
The camera's images will display as small thumbnail images in the ZoomBrowser EX Camera Window. (➜ p. 14)



The ZoomBrowser EX Camera Window

The Camera Window will open when a connection to a camera or CF card is initiated. Thumbnail (small) images will display.



Setup Options Button
Sets various camera settings (see inset below) using the computer.

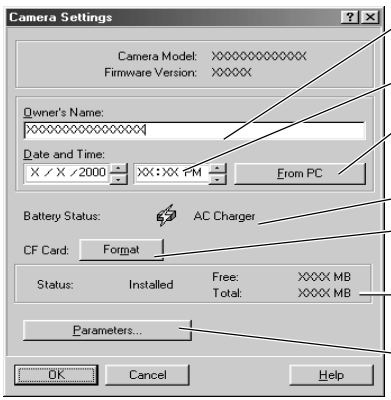
Delete Button
Deletes the selected images.

Upload Button
Copies images from the computer to the camera or CF card. (➜ p. 24)

Download Button
Copies selected images to the computer from the camera or CF card. (➜ p. 15)

How to Check and Change Various Camera Settings

- You can adjust the date, time and owner settings in the Camera Settings dialog using the computer when the camera is connected. You can also check the battery charge and remaining memory capacity.
  1. In ZoomBrowser EX, click the [Setup Options] button to open the Camera Settings dialog. Or in TWAIN Driver, click the [Camera Settings] button to open the Camera Settings dialog.
  2. Check or change the settings.



Input a camera owner name here. (up to 31 characters)

Set the date and time.

Click this button to synchronize the camera to the computer's date and time settings.

Check the battery charge here.

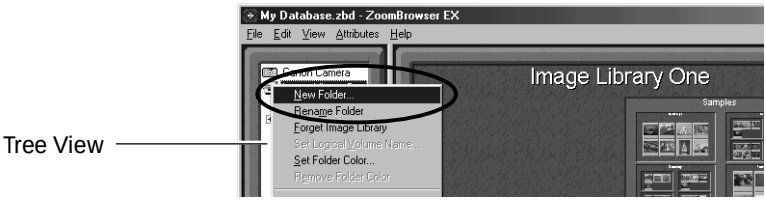
Formats the CF card in the camera. (Except in PowerShot S10/S20 models)

Check the remaining memory capacity here.

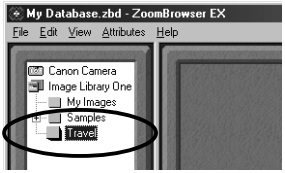
Sets the camera parameters. (➜ p. 48) (Supported by the EOS D30 only)

Loading and Saving Images from the Camera

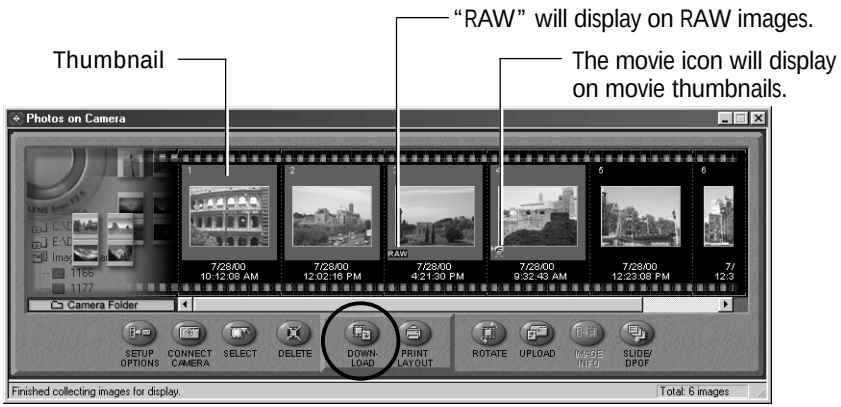
1. Create a new folder in which to save the images from the camera.
In the Tree View, right-click the [Image Library One] folder, select [New Folder] from the pop-up menu and input a folder name.



2. Select the new folder in the Tree View.

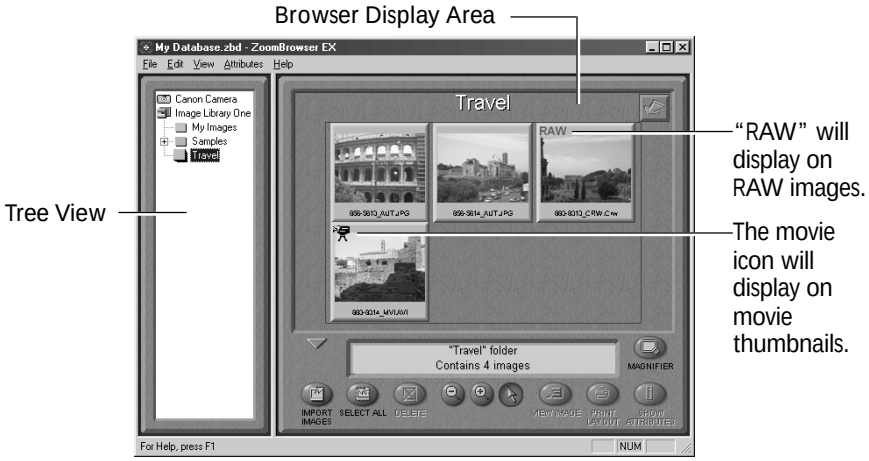


3. Select the images that you wish to download from the Camera Window and click the [Download] button.
Click the thumbnail you wish to select or press [Ctrl] and click to select multiple thumbnails.



The downloaded images will be saved to the computer disk and appear in the Browser Display Area.

- You can also download images to the computer by dragging them from the Camera Window and dropping them on the Browser Display Area or Tree View.



To disconnect the camera, click the close box ✕ at the upper right of the Camera Window. The Camera Window will close.

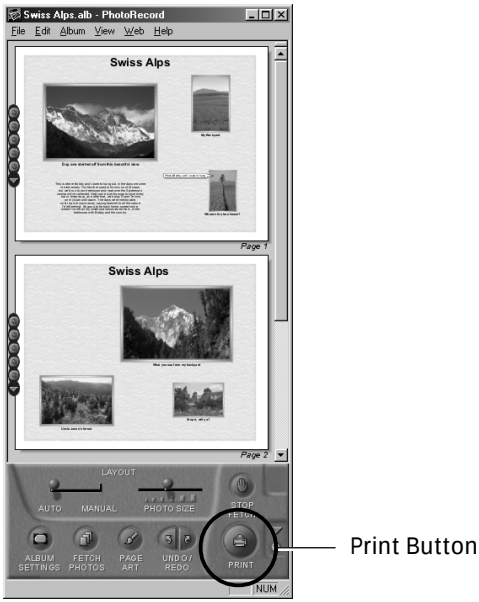
Printing Images

1. Select the image(s) you wish to print and click the [Print Layout] button.
- Movie images cannot be printed.
- You must convert RAW images before printing them (➜ pp. 40-41, 52-54).

The PhotoRecord printing utility will start and automatically display the selected image(s) in a page layout.

2. Adjust the print settings if you wish to change the page layout.
Please refer to page 30 or the PhotoRecord Help file for details of the settings.

3. Click the PhotoRecord [Print] button.



The Print dialog will display.

4. Click the [OK] button to start printing.

Using Additional ZoomBrowser EX Functions

This section explains the additional features of ZoomBrowser EX. Please refer to the ZoomBrowser EX Help file or PDF file (ZoomBrowser EX Software Guide) for more details.

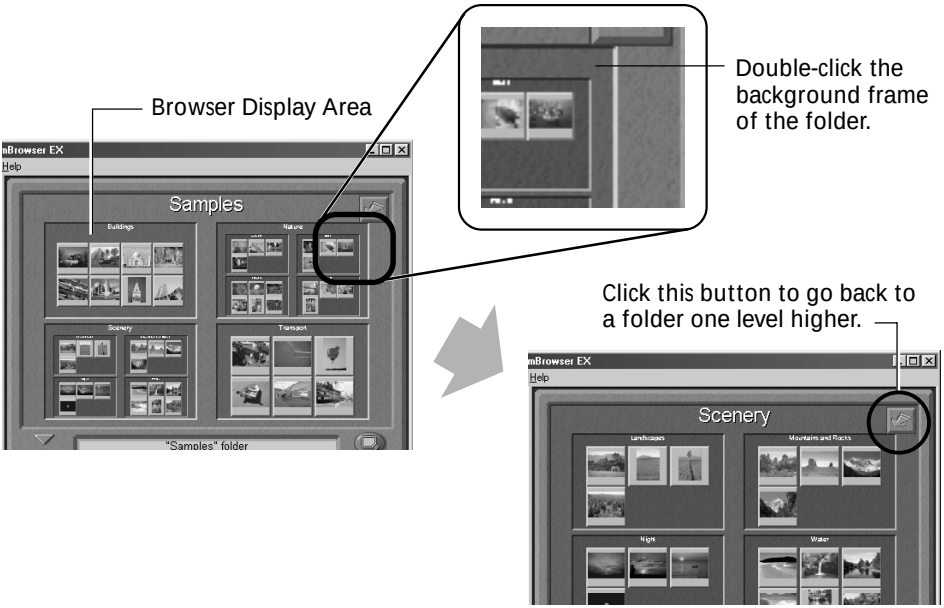
> Some of the software functions are not supported by all of the camera models. Please check the Camera and Software Compatibility chart to confirm your camera's compatibility. (➜ p. 5)

Displaying Images

Zooming Images In and Out

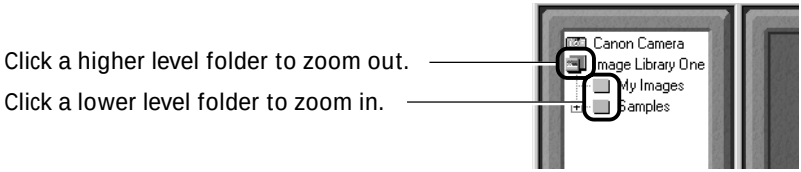
(a) Double-Clicking the Browser Display Area

Double-click the background frame of the folder in which an image is registered to zoom it to fill the Browser Display Area.



(b) Selecting a Folder in the Tree View

You can also zoom a folder in or out with its icon selected in the Tree View.


Click a higher level folder to zoom out.
Click a lower level folder to zoom in.
Canon Camera
Image Library One
My Images
Samples

Zooming a Single Image

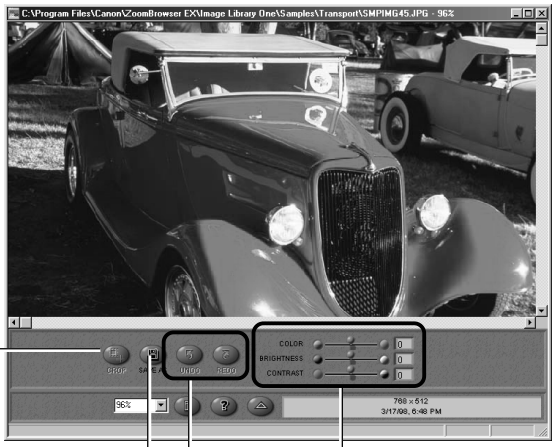
Double-click an image in the Browser Display Area to display it in the Image Viewer.

Double-click the target image.

Edit Panel Button

About the Image Viewer Edit Panel

- The edit panel displays when you click Edit Panel button in the Image Viewer.



Crop Button
Drag the cursor to select the crop area and click the [CROP] button to trim everything outside the crop area.

Save As Button
Save the image with a different name and file format.

Color / Brightness / Contrast Sliders
Slide the tab to adjust the color, brightness or contrast settings.

Undo / Redo Buttons
Reverse an action or reimplement it.

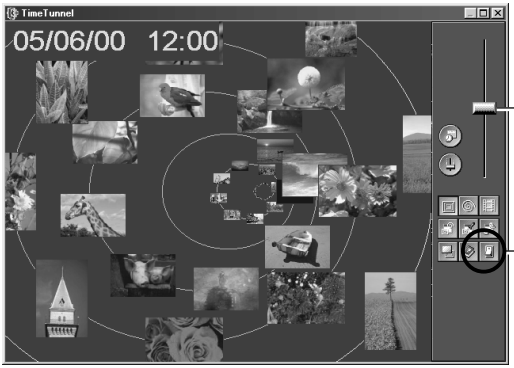
Replaying Movies

Double-click a thumbnail with the movie icon to start QuickTime Player and replay the movie.

- If QuickTime 3.0 or a later version is not already installed, install it from the Canon Digital Camera Solution Disk.

Displaying Images in Chronological Order

Select a folder or some images, click the [View] menu and select [TimeTunnel]. The selected image(s) will display in a time tunnel. Please refer to the TimeTunnel Help file for more details on how to operate this function.



Drag the tab up or down to go backward or forward in time. The time tunnel will advance in the selected direction.

To quit TimeTunnel and return to the ZoomBrowser EX window, click this button.

Showing Images in a Slide Show

The slide show function displays images saved onto the computer disk one-by-one at full-screen size as if they were part of a slide show.

1. Click the [View] menu and select [Slide Show Options].
2. Select a play method.
   The "Slide Show Options" dialog will display.
   Set a play interval and a transition effect and click the [OK] button.
3. Select images from the ZoomBrowser EX Browser Display Area for showing.
4. Click the [View] menu and select [Slide Show].
   The selected images will play in order. The slide show will close after the last image is displayed. If the slide show is set to repeat, press the (close) button on the control panel to close the slide show.

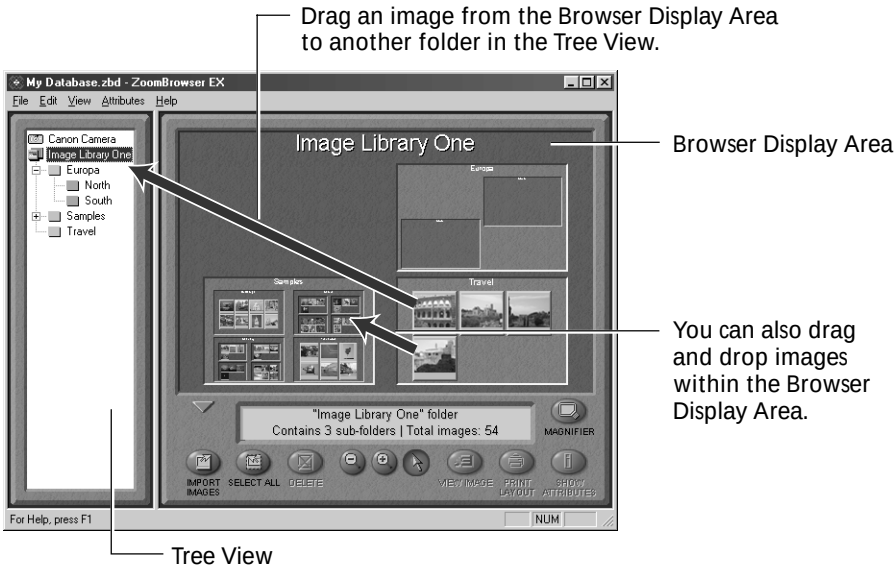
About the Print Mark Button

- If the [Print Mark] button is clicked while an image is played in a slide show, PhotoRecord will automatically start after the slide show has finished and place the displayed image with a print mark in an auto layout.
- Please refer to page 30 or the PhotoRecord Help file for more details on how to operate this function.

Organizing Images

Changing the File Location

You can move an image file by dragging and dropping it onto another folder icon.



The [Image Library One] folder is located within the folder in which ZoomBrowser EX was installed. The Tree View displays files at levels below this folder.

Adding a New Library Folder

Adding a folder to the Tree View allows you to display the images in that folder and its subfolders in ZoomBrowser EX. Click the [File] menu, select [Add Image Library] and select the folder. The selected folder will appear in the ZoomBrowser EX Tree View as a new library.

Refreshing the Contents of a Library

If you have used another program, such as the Windows Explorer utility or Adobe Photoshop LE, to move or edit images registered with ZoomBrowser EX, you should select the library, click the [View] menu and select [Refresh Current Library]. This will update the library.

Erasing Images

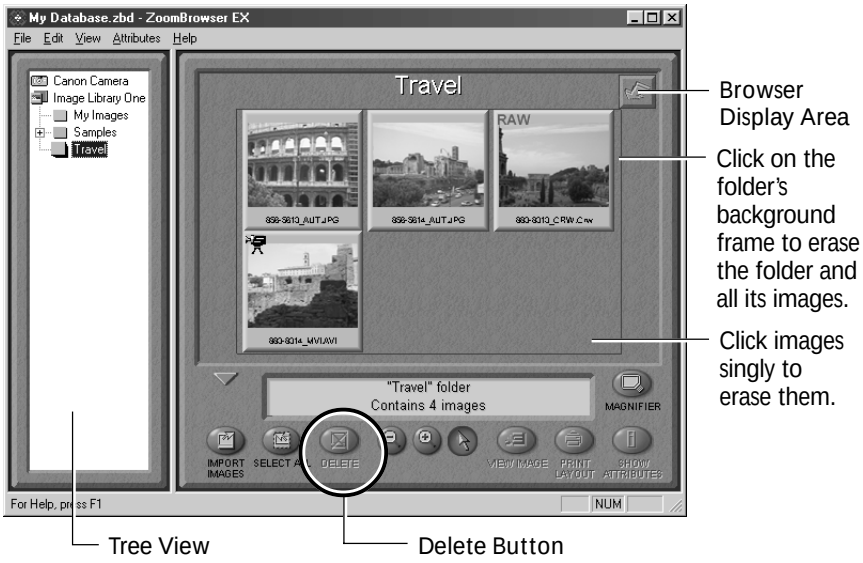
An image cannot be recovered after it is erased. Double-check to make sure you have the right images before erasing.

Erasing Images Singly

1. Select the target image in the Browser Display Area and click the [Delete] button.
   A confirmation dialog will display.
2. Check the image to make sure it can be deleted and click [Delete].
   The image will be erased.

Erasing Images by Folder

1. Click the background frame of the target folder and the [Delete] button.
   A confirmation dialog will display.
2. Check the images to make sure they can be deleted and click [Delete].
   The images and the folder will be erased.



Saving Computer Images to a CF Card in the Camera

1. Open the Camera Window. (➜ pp. 11-14)
2. Click the [Upload] button in the Camera Window.
   The "Upload Images from Disk" dialog will display.
3. Select the images from the computer and click the [Open] button.
   The "Save to Camera" dialog will display.
4. Select the image size and resizing options and click the [Save to Camera] button.
   The selected image will be saved onto the camera's CF card.

Editing Camera Slide Shows

This function allows you to edit slide shows played by the camera. To edit slide shows shown on the computer display, see "Showing Images in a Slide Show." (➜ p. 21)

1. Open the Camera Window. (➜ pp. 11-14)
2. Click the [Slide/DPOF] button.
   The Edit Slide/DPOF window will display.
3. Click [Slide Show] in the upper left area of the window.
   The camera images will display on the left side. Images registered in the selected slide show will display on the right side.
   Slide Shows 1 to 3 correspond to the numbers of the slide shows that can be shown with the camera.
4. Drag and drop images from the area on the left to the area on the right to register them in the slide show.
   You can drag images to change their order in the area on the right. This order corresponds to the replay order.
5. Click the [Save to Camera] button.
   The slide show will be saved to the CF card in the camera.
6. Click the [Exit] button.

Editing the Print Order Settings (DPOF)

You can specify which images on a CF card you wish to print as well as the number of copies. You can also select the print type and whether or not the shooting date and file number information is printed with the image. A convenient feature of these settings is that they comply with the DPOF (Digital Print Order Format) standards, which allow you to print on any DPOF-compliant digital printer or order prints from a participating photo developing laboratory.

1. Open the Camera Window. (➜ pp. 11-14)

2. Click the [Slide/DPOF] button.
The Edit Slide/DPOF window will display.

3. Click [Print Order (DPOF)] in the upper left area of the window.

4. Select the print type from among the [Standard Print], [Index Print] or [Both] options.
- Standard .. Set the number of copies of the images you wish to print in the column below the thumbnails.
- Index ..... A check mark will appear below the thumbnails selected for printing.

5. Click the [Save to Camera] button.
The print order settings will be saved to the CF card in the camera.

6. Click the [Exit] button.

DPOF Settings Precaution

- A warning message will display if ZoomBrowser EX encounters print settings data it does not support on a CF card with print settings created by a non-Canon brand DPOF-compliant digital camera. If any print settings on such a card are changed, all of them will be overwritten by ZoomBrowser EX and lost.
- Some printers or photo developing laboratories may not be able to reflect all of the print settings in the output.

Sending Images via E-mail

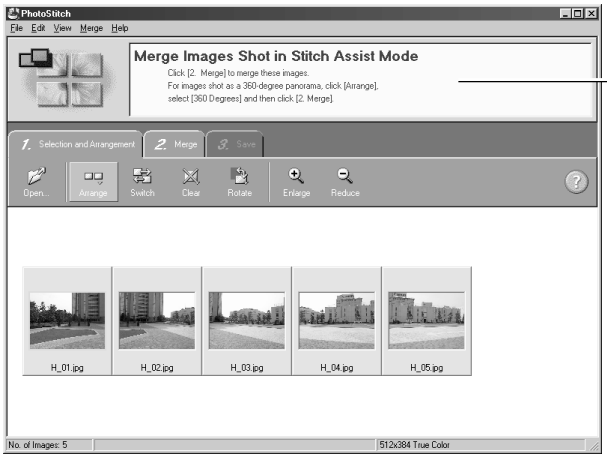
You can send images as attachments to e-mail messages. You can adjust the image size and compression to reduce the file size for transmission.

1. Select the target image(s) in the Browser Display Area.
2. Click the [File] menu and select [Send Image(s) by E-Mail].
3. Adjust the image size and compression.
   The e-mail image creation window will display. Set the image size and quality and follow the on-screen messages to complete the procedures.
4. Click the [Finish] button.
   When you click the [Finish] button, your e-mail program will start and open a new message with the image file attached. Input your message, a subject, the recipient's address and send the message.
   Some e-mail programs or operating systems may not support the auto start function. In that case, temporarily save the adjusted image file to the desktop or another easy-to-find folder. Then start your e-mail program, open a new message and attach the adjusted image file to it.

Merging Panoramic Images with PhotoStitch

To Merge Images Registered in ZoomBrowser EX

- You can merge a series of overlapping images into a single, seamless panorama.
- Select the images in the browser area, click the [Edit] menu and select [PhotoStitch]. The PhotoStitch program will start.
- Follow the instructions in the guidance window to merge the images.
- Please refer to the PhotoStitch Help file for more details.

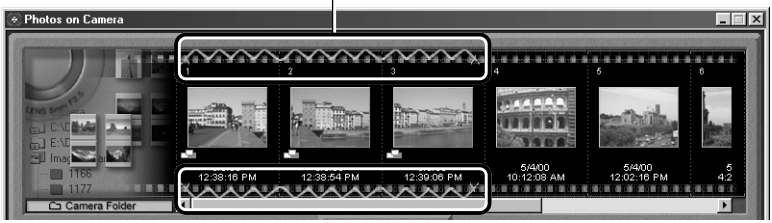


Follow the instructions to merge the images.

Images Shot in Stitch Assist Mode

- PhotoStitch automatically arranges images shot with the Stitch Assist mode of Canon digital cameras in the correct order and orientation, making it easy to merge these images. Stitch Assist mode images display in the Camera Window as shown below.

Stitch Assist mode images have a green stitch mark. Click the stitch mark to start PhotoStitch and merge them.



Please see the *Camera User Guide* for instructions for shooting in Stitch Assist mode.

Editing and Applying Special Effects to Images

Adobe Photoshop LE

1. Confirm that Adobe Photoshop LE has been installed.
2. Select an image from the Browser Display Area of ZoomBrowser EX.
3. Click the [Edit] menu and select [Edit Image using Adobe Photoshop].
   Please refer to the Adobe Photoshop LE Help file and electronic guide (User Guide.pdf) for instructions for this program.
4. Edit and apply special effects to the image.
   - ZoomBrowser EX supports the BMP, FlashPix, JPEG and TIFF file formats.
   - If you selected a folder registered in ZoomBrowser EX as the save location, please return to the ZoomBrowser EX window, click the [View] menu and select [Refresh Current Library] to update the thumbnail in ZoomBrowser EX.

Adobe PhotoDeluxe Home Edition

1. Confirm that Adobe PhotoDeluxe Home Edition has been installed.
2. Select an image from the Browser Display Area of ZoomBrowser EX.
3. Click the [Edit] menu and select [Edit Image using Adobe PhotoshopDeluxe Home Edition].
   Please refer to the Adobe PhotoDeluxe Home Edition Help file and electronic guide (Getting Started.pdf) for instructions for this program.
4. Edit and apply special effects to the image.
   - Once you have finished editing the image, click the [File] menu, select [Export] and [File Format], and save the image.
   - ZoomBrowser EX supports the BMP, FlashPix, JPEG and TIFF file formats.
   - If you selected a folder registered in ZoomBrowser EX as the save location, please return to the ZoomBrowser EX window, click the [View] menu and select [Refresh Current Library] to update the thumbnail in ZoomBrowser EX.

ArcSoft PhotoImpression

1. Confirm that ArcSoft PhotoImpression has been installed.
2. Select an image from the Browser Display Area of ZoomBrowser EX.
3. Click the [Edit] menu and select [Edit Image using ArcSoft PhotoImpression].
   Please refer to the ArcSoft PhotoImpression Help file for instructions for this program.
4. Edit or apply special effects to the image.
   ZoomBrowser EX supports the BMP, FlashPix, JPEG and TIFF file formats.
   If you selected a folder registered in ZoomBrowser EX as the save location, please return to the ZoomBrowser EX window, click the [View] menu and select [Refresh Current Library] to update the thumbnail in ZoomBrowser EX.

Editing Movies

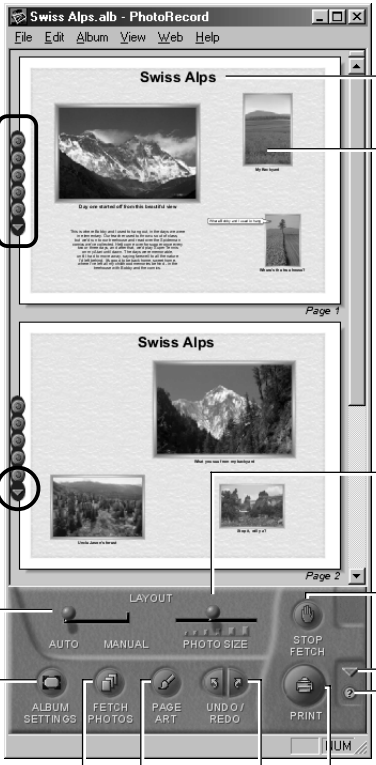
ArcSoft VideoImpression

1. Confirm that ArcSoft VideoImpression has been installed.
2. Click the [Start] menu and select [Programs], [ArcSoft Camera Suite] and [VideoImpression].
   ArcSoft VideoImpression will start.
3. Click the [New] button, add a movie or still image to the storyboard (the film strip at the bottom of the window) and perform the edit.
   Please refer to the ArcSoft VideoImpression Help file for instructions for this program.
   ZoomBrowser EX supports the MOV and AVI file formats.
   Movie files appear as icons in the ZoomBrowser EX thumbnail view.

Printing Images

- Select a folder or image(s) for printing from the Browser Display Area or Camera Window and click the [Print Layout] button to start the PhotoRecord program.
- You can also click the button while an image is displayed in a slide show to add a print mark to it. When the slide show closes, PhotoRecord will start automatically.
- The selected images will automatically display in a page layout.
- Please refer to the PhotoRecord Help file for more details.

PhotoRecord Window



Input titles or captions anywhere you wish.

Drag the images to change the layout.

Click these buttons to select a layout pattern for each page.

Click the arrow ▼ to display a pop-up menu.

Slide this tab to the left to shrink the image, right to expand it.

Click this to switch between auto and manual layout mode.

Click this to stop importing images.

Switch between control panel sizes with this.

Click this to display Help.

Click this to set the album type, paper size and orientation.

Click this to display the Print dialog.

Click this to import images.

Click these buttons to undo or restore the previous action.

Click this to change the background design.

Creating a New Album

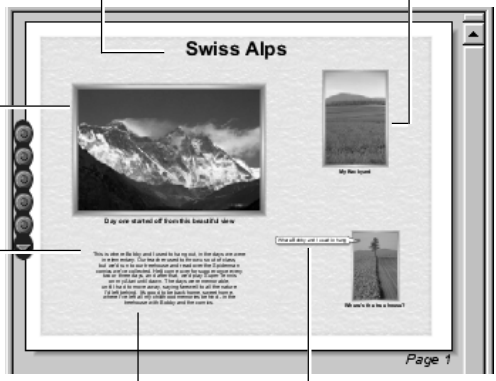
The PhotoRecord layouts with titles and captions can be saved as albums. Moreover, PhotoRecord includes a variety of templates, making it easy to create beautiful albums.

1. To save an album, click the PhotoRecord [File] menu and select [Save As].

2. Input a name and click [Save].

Add a title to the page
Click the arrow ▼ and select [Edit Title] from the pop-up menu.

Add a caption to an image
Right-click an image and select [Edit Caption] from the pop-up menu.



Change the photo frame
Right-click the image and select [Change Photo Frame] from the pop-up menu.

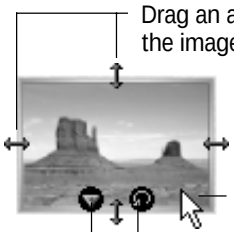
Change the page background
Right-click the page and select [Change Page Style] from the pop-up menu.

Insert text
Click the arrow ▼ and select [Add Text] from the pop-up menu.

Change the text box format
Right-click a text box and select [Change Frame] from the pop-up menu.

Image Resizing and Rotating Modes

Image Resizing Mode



Drag an arrow to resize the image.

The arrows display when the mouse is positioned over the image.

Click this to display a pop-up menu.

Click this to change to rotating mode.

Image Rotating Mode

Drag an arrow to rotate the image.

Click this to display a pop-up menu.

Click this to change to image resizing mode.

Setting the Image Size for Printing

Fixed Photo Size

Images can be printed at standard photo print size.
Since the images are printed without gaps between them, they look like photo prints when they are cut with a cutter.

1. Click the [Album Settings] button in the PhotoRecord window.
   The Album Settings dialog will display.
2. In the [Album Types] category, select [Fixed Photo Size Printing].
3. Set the photo size and click [OK].

Printing on Canon Perforated Paper

The [Canon Perforated paper printing] option will be selectable in the Album Settings dialog if you are using a Canon BJ printer that supports Canon Perforated Paper media. Canon Perforated Paper has perforations at the preset dimensions allowing you to print at the specified size and simply tear along the perforated lines to produce an image with the appearance of a finished photo print. Please consult the BJ Solution Disk User's Guide for more details.

Printing from PhotoRecord from Windows NT 4.0/Windows 2000

- If the printer name is too long, you may not be able to print from PhotoRecord. Shorten the name to enable printing.
  1. Click the Windows [Start] menu and select [Settings] and [Printers].
  2. Click the printer name twice with a slight pause between clicks. Input a new name that is 31 characters or less. If the printer is a network printer, include the path name in the 31-character count.

Shooting with RemoteCapture

RemoteCapture will start if you click the ZoomBrowser EX [Edit] menu and select [RemoteCapture] when the camera is connected to the computer via a USB port. RemoteCapture lets you activate the camera's shutter button remotely from the computer. The captured image is automatically saved into the currently selected ZoomBrowser EX folder.

- RemoteCapture can only shoot still images.
- If an EOS D30 camera is connected via a USB port, clicking the shutter button on the camera also downloads the image directly to the computer.

RemoteCapture Window

Thumbnail View
Displays thumbnails of all the images shot in the current session since RemoteCapture was started.

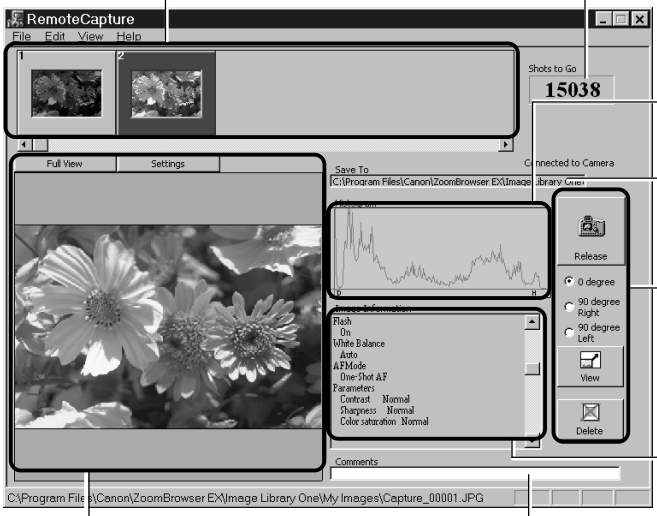


Image View
Displays the image selected in the Thumbnail View.

Number of Frames that Can Be Captured
Displays the number of images that can be saved to the computer or the camera's CF card.

Displays the distribution of brightness data.

Displays the location in which files are saved. (➜ p. 36)

Control Buttons
These buttons control the basic RemoteCapture functions. (➜ p. 34)

Displays the image information.

Allows you to add comments to images.

How to Start RemoteCapture Instead of Displaying the Camera Window

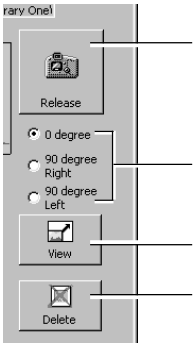
The settings can be changed so that ZoomBrowser EX automatically starts RemoteCapture instead of its Camera Window when the camera is connected to the computer's USB port.

(1) Click the ZoomBrowser EX [File] menu and select [Preferences].
(2) In the Preferences dialog, click the [AutoStart] tab and set [Automatic Start Options] to [RemoteCapture].

The RemoteCapture window will now show instead of the ZoomBrowser EX Camera Window when the camera is connected to the USB port and starts ZoomBrowser EX.

About the RemoteCapture Control Buttons

The control buttons are used to shoot, delete and display images.



Click here to trigger the camera and take a shot. The image is automatically saved to the computer. Pushing the camera's shutter button directly will also save the image to the computer. (Supported by EOS D30 only)

Rotates the image saved to the computer by 90 degrees either way. Select one of these to automatically rotate and save images shot with the camera swiveled from a horizontal to a vertical orientation.

Displays the image selected in the Thumbnail View in the Viewer.

Deletes the image selected in the Thumbnail View. Please take proper caution before deleting because deleted images are completely erased from the computer in one step with this button.

Using Interval and Timer Shooting

RemoteCapture can be used to shoot a set number of images at specified intervals (Interval Shooting) or to shoot an image after a specified delay (Timer Shooting).

Interval Shooting

You can set the number of frames and the interval at which they are shot.

1. Click the [File] menu and select [Interval Shooting].
   The Interval Shooting dialog will display.
2. Set the number of frames and interval value and click [OK].
   RemoteCapture will start interval shooting, capturing the specified number of images at the specified intervals.

Timer Shooting

You can set the time delay before an image is shot.

1. Click the [File] menu and select [Timer Shooting].
   The Timer Shooting dialog will display.
2. Set the number of seconds and click [OK].
   RemoteCapture will start timer shooting, capturing an image after the specified delay.

Printing a Thumbnail Index Sheet

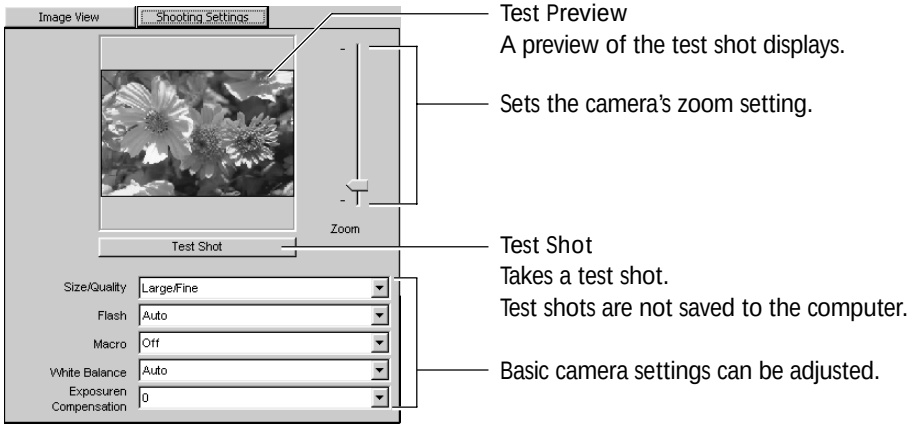
Thumbnails you select in the Thumbnail View can be printed in order on a single index sheet by clicking the [File] menu and selecting [Print Index]. Since the file name and shooting date and time can be printed with each image, index sheets serve as a convenient record of and reference for your images.

Precautions when Shooting with RemoteCapture

- If your computer is set to go into standby mode, there is no guarantee that RemoteCapture will continue to function after the computer has entered standby mode. Always turn off the standby function before you start shooting with RemoteCapture.
- The camera's auto power save setting is disabled while connected to RemoteCapture, and the power remains on until manually turned off. You are recommended to power the camera with a household power source while it is connected.
- Please note that the camera will not be able to shoot at the specified interval if it is shorter than the time required to send the image and save it on the computer.
- If the camera is set for "mirror lockup" shooting, the shutter will activate approximately two seconds after the release button is clicked in RemoteCapture. (Supported by the EOS D30 only)

Setting Basic Shooting Settings in RemoteCapture

The camera's shooting settings can be adjusted by clicking the [Shooting Settings] tab in the RemoteCapture window.
Please adjust the shooting settings for the EOS D30 on the camera itself.



Changing the Save Location and Other Preferences

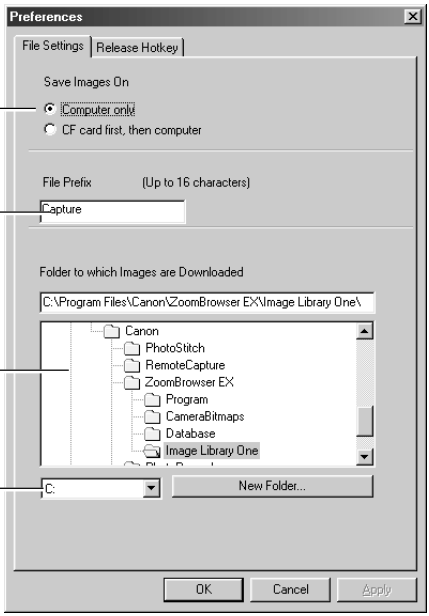
The Preferences dialog can be opened by clicking the RemoteCapture [File] menu and selecting [Preferences]. This dialog can be used to change the save location and settings.

Selects whether the image is saved only on the computer or on the camera's CF card too.

Sets the image file prefix. If the prefix is set to [Capture], for example, the first image will be named [Capture_00001.jpg] and successive images will have higher numbers.

Sets the folder in which the image file is saved.

Selects a drive on the computer.



Converting RAW Images

The RAW format records the image data as captured by the camera's image sensor without further processing by the camera. Although the data is compressed when recorded, the original data can be completely restored without any loss of quality, making it possible to obtain high-quality images. Moreover, the RAW image file format is extremely compact, creating files that are approximately one-third to one-quarter the size of an uncompressed file (RGB TIFF). Please refer to your Camera User Guide to learn how to set the camera to shoot in the RAW format.
The process of obtaining high-quality RGB signals from RAW format images (hereafter RAW images) is called "conversion." Since ZoomBrowser EX can be used to adjust the attributes of the original data, you can achieve the effects you wish while maintaining high image quality. In contrast, image data recorded in the RGB TIFF and other standard uncompressed file formats is irrevocably processed in the camera and must be further processed irrevocably by retouching software to change the attributes, which reduces the image quality.
Please note that ZoomBrowser EX or the TWAIN Driver are required to load RAW images onto a computer.

Converting RAW Images without Adjusting the Quality

1. Select a RAW image from the Browser Display Area of ZoomBrowser EX.
2. Click the [File] menu and select [Convert RAW Images].
   The image is converted and saved in a new TIFF (8 bits/channel) file. To learn how to change the file format, please see "How to Change the File Format." (➜ p. 38)

Converting RAW Images with Quality Adjustment

1. Select a RAW image from the Browser Display Area of ZoomBrowser EX.
2. Click the [File] menu and select [Convert RAW Images with User Defined Parameters].
   The RAW Image Parameter Settings dialog will display.
3. Select the quality settings and click [OK].
   The RAW image is converted according to the specified parameters and saved in a new TIFF (8 bits/channel) file. If multiple RAW images are selected, the parameters are applied only to the first image. When only one RAW image is adjusted, the changes are also reflected in the remaining images in the selection. To learn how to change the file format, please see "How to Change the File Format." (➜ p. 38)

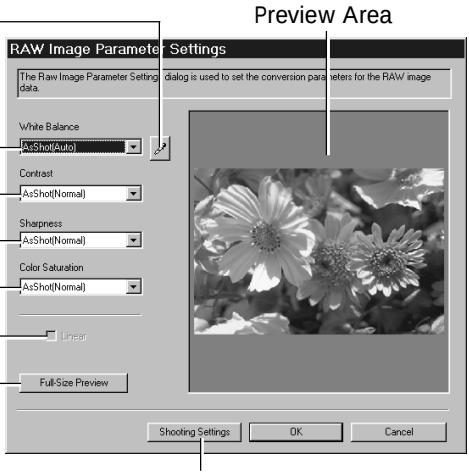
RAW Image Parameter Settings Dialog

Click this and a white point of the image in the Preview Area to set it as the value for the white balance.

Parameter setting selections are reflected in the preview image.

Placing a check here applies linear processing to the contrast, sharpness and color saturation, and allows the images to be edited with photo retouching software, such as Adobe Photoshop.

- The [Linear] option is only enabled when [TIFF 16 bits/channel] is selected as the file format.



Displays the image in the Preview Area at full size.

Resets the image quality settings to the state in which the image was shot.

Selecting and Adjusting the Attributes of Multiple RAW Images

Ensure that all images included in a multiple selection of RAW images are from the same camera before attempting to adjust the image attributes. The white balance will not adjust properly if images from different cameras are mixed and the [Manual] white balance option is selected in the RAW Image Parameter Settings dialog or if a white portion of the image is selected in the preview area.

How to Change the File Format

1. Click the ZoomBrowser EX [File] menu and select [Preferences]. The Preferences dialog will display.
2. Change the format in the Image Format tab and click [OK].

Saving in the TIFF 16 Bits/Channel Format

When [TIFF 16 bits/channel] (supported by the EOS D30 only) is selected as the file format for saving RAW images, 16 bits of data is used to record each RGB channel. This image format can be used in several application programs, such as Adobe Photoshop LE. Formats other than TIFF 16 bits/channel all save the image using 8 bits per RGB channel.

Restore the Database

The database file may become corrupted if a system crash occurs for some reason when ZoomBrowser EX is being run at the same time as another software program. If this occurs, start ZoomBrowser EX again, click its [File] menu and select [Restore Database]. The database file will automatically be restored.

Loading Images with TWAIN-Compliant Programs

This section explains how to load images with TWAIN-compliant application programs, such as ArcSoft PhotoImpression, Adobe Photoshop and Adobe PhotoDeluxe Home Edition.

Using ArcSoft PhotoImpression

Installing the Software

Installing the TWAIN Driver

This program is required to load camera images into TWAIN-compliant application programs. For instructions, see "Installing/Uninstalling the Software" (➜ p. 7) or "Installing the USB Driver" (➜ p. 9).

Installing ArcSoft PhotoImpression

Insert the ArcSoft CD-ROM in the drive and double-click the [My Computer] icon on the desktop followed by the [ArcSoft] folder and [Setup.exe] icon. Follow the on-screen instructions to install the program.

Starting the Software

Connecting the Camera to a USB Port

1. Connect the camera to the computer's USB port.

   Refer to *Where to Find Instructions for Attaching Your Camera to a Computer* (➜ p. ii) for connection instructions.

2. Set the camera to the mode for communicating with a computer.
   After a moment, an event dialog will allow you to select an application program to start.
3. Click the [Start] menu and select [Programs], [ArcSoft Camera Suite] and [PhotoImpression].
   ArcSoft PhotoImpression will start.
4. Click the [Get Photo] button.
5. Click the [Camera/Scanner] button.
6. Select your camera model name from the [Select Source] option and click the button.
   The TWAIN driver will start (➜ p. 45).

Connecting via a CF Card Reader or PC Card Slot

1. Place the CF card into the CF card reader or into the PC card adapter and then into the PC card slot.

   > Refer to *Where to Find Instructions for Attaching Your Camera to a Computer* (➜ p. ii) for connection instructions.

2. Click the [Start] menu and select [Programs], [ArcSoft Camera Suite] and [PhotoImpression].
   ArcSoft PhotoImpression will start.
3. Click the [Get Photo] button.
4. Click the [Camera/Scanner] button.
5. Select your camera model name from the [Select Source] option or select [Canon Digital Camera RS-232C] and click the button.
   The TWAIN Driver will start.

Connecting the Camera to a Serial Interface

1. Attach the camera to the computer with the serial cable.

   > Refer to *Where to Find Instructions for Attaching Your Camera to a Computer* (➜ p. ii) for connection instructions.

2. Set the camera to the mode for communicating with a computer.
3. Click the [Start] menu and select [Programs], [ArcSoft Camera Suite] and [PhotoImpression].
   ArcSoft PhotoImpression will start.
4. Click the [Get Photo] button.
5. Click the [Camera/Scanner] button.
6. Select [Canon Digital Camera RS-232C] from the [Select Source] option and click the button.
   The TWAIN driver will start.
7. Click the [Communication Settings] button.
8. Set the port type, port name and baud rate (transfer speed) settings and click the [OK] button.
   For instructions on the communication settings, please refer to page 101.

For downloading instructions, please see Loading Images (➜ p. 47).

Using Adobe Photoshop LE

Installing the Software

Installing the TWAIN Driver

This program is required to load camera images into the TWAIN-compliant application programs. For instructions, see "Installing/Uninstalling the Software" (➜ p. 7) or "Installing the USB Driver" (➜ p. 9).

Installing Adobe Photoshop LE

Place the Adobe Photoshop LE CD-ROM in the drive, double-click [My Computer] on the Windows desktop, followed by the [Photosle] CD-ROM icon, the [English] and [Photosle] folders, and the [Setup.exe] file. Follow the on-screen instructions to complete the installation.

> You must input the software serial number to install Adobe Photoshop LE. It can be found on the CD-ROM case.

Starting the Software

Connecting the Camera to a USB Port

1. Connect the camera to the computer's USB port.

   > Refer to *Where to Find Instructions for Attaching Your Camera to a Computer* (➜ p. ii) for connection instructions.

2. Set the camera to the mode for communicating with a computer.
   After a moment, an event dialog will allow you to select an application program to start.

3. Select Adobe Photoshop LE and click [OK].
   Adobe Photoshop LE will start.

4. Click the Adobe Photoshop LE [File] menu and select [Import] and [Select TWAIN_32 Source].

5. Choose your camera model and click [Select].

6. Click the [File] menu and select [Import] and [TWAIN_32]
   The TWAIN Driver will start (➜ p. 45).

Connecting via a CF Card Reader or PC Card Slot

1. Place the CF card into the CF card reader or into the PC card adapter and then into the PC card slot.

> Refer to *Where to Find Instructions for Attaching Your Camera to a Computer* (➜ p. ii) for connection instructions.

2. Click the Windows [Start] menu and select [Programs], [Adobe], [Photoshop Limited Edition] and [Adobe Photoshop Limited Edition].
Adobe Photoshop LE will start.

3. Click the [File] menu and select [Import] and [Select TWAIN_32 Source]

4. Choose an appropriate source and click [Select].
Select either [Canon XXX USB], where the XXX represents your camera model name, or [Canon Digital Camera RS-232C] as the source as appropriate.
If several models are listed, select the one that corresponds to your camera.

5. Click the [File] menu and select [Import] and [TWAIN_32]
The TWAIN Driver will start.

Connecting the Camera to a Serial Interface

1. Attach the camera to the computer with the serial cable.

> Refer to *Where to Find Instructions for Attaching Your Camera to a Computer* (➜ p. ii) for connection instructions.

2. Set the camera to the mode for communicating with a computer.

3. Click the Windows [Start] menu and select [Programs], [Adobe], [Photoshop Limited Edition] and [Adobe Photoshop Limited Edition].
Adobe Photoshop LE will start.

4. Click the [File] menu and select [Import] and [Select TWAIN_32 Source]

5. Choose [Canon Digital Camera RS-232C] and click [Select].

6. Click the [File] menu and select [Import] and [TWAIN_32]
The TWAIN Driver will start (➜ p. 45).

For downloading instructions, please see Loading Images (➜ p. 47).

Using Adobe PhotoDeluxe Home Edition

Installing the Software

Installing the TWAIN Driver

This program is required to load camera images into the TWAIN-compliant application programs. For instructions, see "Installing/Uninstalling the Software" (➜ p. 7) or "Installing the USB Driver" (➜ p. 9).

Installing Adobe PhotoDeluxe Home Edition

Place the Adobe PhotoDeluxe Home Edition CD-ROM in the drive, click [ReadMe & Guide] and [Install Guide] in the window that displays.

> The serial number shown during installation will be required for the user registration process.

Starting the Software

Connecting the Camera to a USB Port

1. Connect the camera to the computer's USB port.

   > Refer to *Where to Find Instructions for Attaching Your Camera to a Computer* (➜ p. ii) for connection instructions.

2. Set the camera to the mode for communicating with a computer.
   After a moment, an event dialog will allow you to select an application program to start.

3. Select [PhotoDeluxe Home Edition] and click [OK].
   Adobe PhotoDeluxe Home Edition will start and open the TWAIN driver. Use the TWAIN driver to load images. (➜ p. 45)

Connecting via a CF Card Reader or PC Card Slot

1. Place the CF card into the CF card reader or into the PC card adapter and then into the PC card slot.

   > Refer to *Where to Find Instructions for Attaching Your Camera to a Computer* (➜ p. ii) for connection instructions.

2. Start Adobe PhotoDeluxe Home Edition.

3. Click [Get & Fix Photo] at the upper left of the window.

4. Click [Get Photo] from the icons that display and select [Cameras].

5. Click the [1 Camera] tab.
   In the [Camera Models] option, confirm that [Canon XXX USB] (XXX will be replaced by your camera model name) or [Canon Digital Camera RS-232C] is selected. If several models are listed, select the one that corresponds to your camera.

6. Click the [Open Camera] button.
   The TWAIN driver will start. Use it to load images. (➜ p. 46)

Connecting the Camera to a Serial Interface

1. Attach the camera to the computer with the serial cable.

   Refer to *Where to Find Instructions for Attaching Your Camera to a Computer* (➜ p. ii) for connection instructions.

2. Set the camera to the mode for communicating with a computer.

3. Start Adobe PhotoDeluxe Home Edition.

4. Click [Get & Fix Photo] at the upper left of the window.

5. Click [Get Photo] from the icons that display and select [Cameras].

6. Click the [1 Camera] tab.
   In the [Camera Models] option, confirm that [Canon Digital Camera RS-232C] is selected.

7. Click the [Open Camera] button.
   The TWAIN driver will start.

8. Click the [Communication Settings] button.

9. Set the port type, port name and baud rate (transfer speed) settings and click the [OK] button.
   For instructions on the communication settings, please refer to page 102.

For downloading instructions, please see Loading Images (➜ p. 47).

Guide to the TWAIN Driver Window

Preferences Button
Displays and changes the image transmission settings. (➜ p. 51)

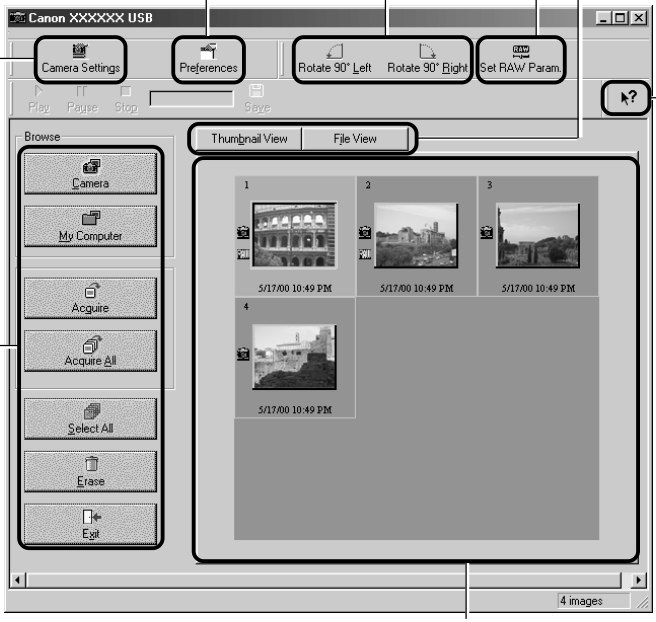
Camera Settings Button
Adjust or check camera settings. (➜ p. 14)

Rotate 90 Degrees Buttons
Rotates the selected image left or right 90 degrees.

Set RAW Param. Button
Sets the image quality settings for RAW images (➜ p. 49)

Display Style Buttons

Help Button



Main Buttons
These buttons control the main commands, such as those for loading images and exiting the TWAIN driver.

Thumbnail Display Area
Image thumbnails display here when the camera is connected.

Loading Images

The TWAIN Driver can display still images only. Please start ZoomBrowser EX to download movies to the computer.

Downloading Images from the Camera

1. Click the [Camera] button.
   The camera images will appear in the Thumbnail Display Area.
2. Select the images you wish to download and click the [Acquire] button.
   The images will appear in the ArcSoft PhotoImpression, Adobe Photoshop LE or Adobe PhotoDeluxe window.
3. Click the [Exit] button to close the TWAIN Driver.
   To save the loaded images, click the [File] menu of the image editing software and select [Save As]. (Adobe PhotoDeluxe users should click the [File] menu and select [Output] and [File Format] to save the images.) Input a file name and change the file location and format settings as required.

Downloading Images Directly from a CF Card

1. Double-click the TWAIN Driver's [My Computer] button.
   The My Computer dialog will open.
2. Select the folder containing the images and click [OK].
   The CF card images will display in the Thumbnail Display Area.
3. Select the images you wish to download and click the [Acquire] button.
   The images will appear in the ArcSoft PhotoImpression, Adobe Photoshop LE or Adobe PhotoDeluxe window.
4. Click the [Exit] button to close the TWAIN Driver.
   To save the loaded images, click the [File] menu of the image editing software and select [Save As]. (Adobe PhotoDeluxe users should click the [File] menu and select [Output] and [File Format] to save the images.) Input a file name and change the file location and format settings as required.

Downloading Images with Windows Me via WIA driver

If you have installed the WIA Driver for Windows Me, you can use the following procedures to download images very easily.

- **Using the Scanners and Cameras Wizard**
  1. Connect the camera to the computer's USB port.
     The Scanners and Cameras Wizard will automatically appear.
  2. Follow the on-screen instructions to download images to the computer.

- **Using Windows Explorer**
  1. Connect the camera to the computer's USB port and start Windows Explorer.
  2. Select the icon of your camera, which will appear in the left portion of Windows Explorer.
     The camera images will show as thumbnails in the right portion.
  3. Copy the image files to the computer's hard drive using standard Windows Explorer techniques.

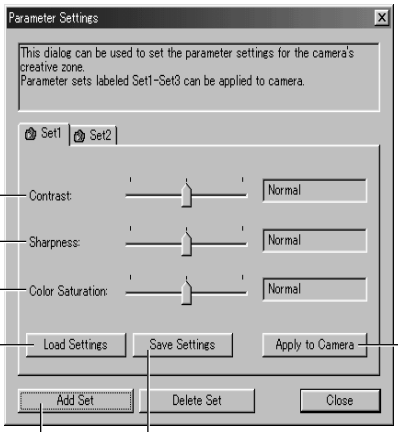
- **Using the File Dialog**
  1. Connect the camera to the computer's USB port and start an image editing application, such as ArcSoft PhotoImpression or Adobe Photoshop LE.
  2. Click the [File] menu and select [Open].
     The File dialog will appear.
  3. In the File dialog, select the icon of your camera.
     The camera images will show as thumbnails in the dialog.
  4. Select the images you wish to download and click the [Open] button.
     The images will appear in the application's window.

Setting the Parameters (EOS D30 Only)

Up to three sets of parameters for loading images can be set in the TWAIN Driver using the Parameter Settings dialog in addition to the parameters already set on the camera. Please see the *Camera User Guide* to learn how to select the parameters for the camera that are set with the computer.

1. Click the [Camera Settings] button in the TWAIN Driver window.
   The Camera Settings dialog will display.
2. Click the [Parameters] button.
   The Parameter Settings dialog will display.
3. Click [Add Set].
4. Set each parameter.
5. Click [Apply to Camera].
   The settings will be applied to the camera.

Parameter Settings Dialog



Sets the various parameters.

Loads the contents of a parameter set saved to the computer's hard disk.

Click here first to add a new parameter set to the camera.

Saves the parameter set to the computer.
To load the saved parameter set, click [Load Settings].

Applies the current parameter set to the camera.

Converting RAW Images

The RAW format records the image data as captured by the camera's image sensor without further processing by the camera. Although the data is compressed when recorded, the original data can be completely restored without any loss of quality, making it possible to obtain high-quality images. Moreover, the RAW image file format is extremely compact, creating files that are approximately one-third to one-quarter the size of an uncompressed file (RGB TIFF). Please refer to your *Camera User Guide* to learn how to set the camera to shoot in the RAW format.

The process of obtaining high-quality RGB signals from RAW format images (hereafter RAW images) is called "conversion." Since TWAIN Driver can be used to adjust the attributes of the original data, you can achieve the effects you wish while maintaining high image quality. In contrast, image data recorded in the RGB TIFF and other standard uncompressed file formats is irrevocably processed in the camera and must be further processed irrevocably by retouching software to change the attributes, which reduces the image quality.

Please note that ZoomBrowser EX or the TWAIN Driver are required to load RAW images onto a computer.

Converting RAW Images without Adjusting the Quality

1. Select a RAW image from the Thumbnail Display Area of the TWAIN Driver window.
2. Click the [Acquire] button.
   The image will be converted and sent to softwares such as Adobe Photoshop LE at 8 bits per RGB.
   To learn how to change the file transmission format, please see "How to Change the File Transmission Format."(➜ p. 51)

Converting RAW Images with Quality Adjustment

1. Select a RAW image from the Thumbnail Display Area of the TWAIN Driver window.
2. Click the TWAIN Driver [Set RAW Param.] button.
   The RAW Image Parameter Settings dialog will display.
3. Select the quality settings and click [OK].
   When an image is adjusted, the "RAW" symbol shown on its thumbnail will change from gray to green. If multiple RAW images are selected, the parameters are applied only to the first image. When only one RAW image is adjusted, the changes are also reflected in the remaining images in the selection.

4. Click the [Acquire] button.

The RAW image will be converted according to the specified parameters and the data will be sent to softwares such as Adobe Photoshop LE at 8 bits per RGB channel.

To learn how to change the file transmission format, please see "How to Change the File Transmission Format" (➜ p. 51).

Converting RAW images with Windows Me installing WIA driver

RAW images can be converted with the following procedures.

- Converting a RAW Image on a Camera's CF Card
  1. Select the RAW image in the Windows Explorer
  2. Right-click the mouse and select [Preview] to start the RAW image utility.
  3. Set the file format and save the image to the computer.
- Converting a RAW Image on the Computer's Hard Drive
  1. Double-click the RAW image in the Windows Explorer to start the RAW image utility.
  2. Set the file format and save the image.

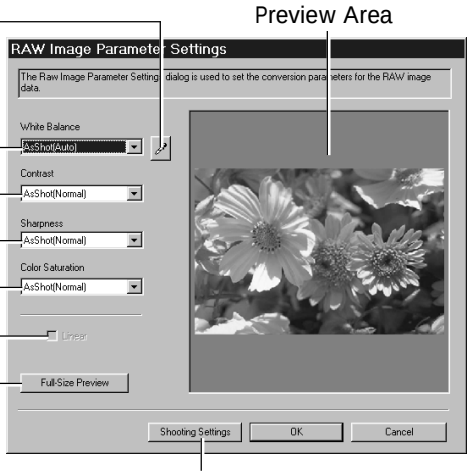
RAW Image Parameter Settings Dialog

Click this and a white point of the image in the Preview Area to set it as the value for the white balance.

Parameter setting selections are reflected in the preview image.

Placing a check here applies linear processing to the contrast, sharpness and color saturation, and allows the images to be edited with photo retouching software, such as Adobe Photoshop.

- The [Linear] option is only enabled when [TIFF 16 bits/ channel] is selected as the file format.



Displays the image in the Preview Area at full size.

Resets the image quality settings to the state in which the image was shot.

- The image quality settings are restored to the default settings when the TWAIN Driver is closed. The settings are also restored to the default settings when the connection with the camera is broken off, if an image is recorded or deleted by the camera while connected to the computer, or if the TWAIN Driver window is refreshed.

Selecting and Adjusting the Attributes of Multiple RAW Images

Ensure that all images included in a multiple selection of RAW images are from the same camera before attempting to adjust the image attributes. The white balance will not adjust properly if images from different cameras are mixed and the [Manual] white balance option is selected in the RAW Image Parameter Settings dialog or if a white portion of the image is selected in the preview area.

How to Change the File Transmission Format

1. Click the [Preferences] button in the TWAIN Driver window.
   The Preferences dialog will display.
2. Change the transmission format in the [Send RAW image data to the application] option and click [OK].

Transmitting in the TIFF 16 Bits / Channel Format

When [16 bits per color channel] (supported by the EOS D30 only) is selected as the transmission option for RAW images, images can be transmitted to the application at 16 bits per RGB channel. Although colors are expressed more vividly with the 16-bit setting than the 8-bit setting, the file size increases dramatically. Moreover, some image editing applications function only partially with files of this format or cannot open them at all.

Troubleshooting the USB Driver Installation

Check This First

1. Is the camera connected to the computer correctly?
   Refer to *Where to Find Instructions for Attaching Your Camera to a Computer* (➜ p. ii) for connection instructions.
2. Is the camera power on?
3. Is the battery charge sufficient?
   We suggest that you use the AC adapter to power a camera connected to a computer.

You will not be able to check the USB driver status if there is a problem with any of the items above.

If the "Add New Hardware Wizard" (in Windows 2000 it is the "Found New Hardware Wizard") appears while performing any of the steps above, click the wizard's [Cancel] button, disconnect the camera and computer, and reinstall the USB driver using the procedures in the Installing the USB Driver section (➜ p. 9).

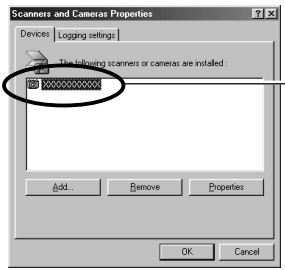
If the three potential problems above are OK, first uninstall the USB driver with the procedures below before reinstalling it according to the instructions in the Installing the USB Driver section. (➜ p. 9)

Refer to the "Installing and uninstalling the WIA driver" to uninstall the WIA driver (➜ p. 10).

Uninstalling the USB Driver from Windows 98

Check the USB Driver Status

- Does your camera model name or icon appear in the "Scanners and Cameras Properties dialog in Windows 98 or Windows 2000, or the [Scanners and Cameras] folder in Windows Me?
  Display the "Scanners and Cameras Properties" dialog with the following steps.
  1. Connect the camera to the computer with the USB cable.
  2. Click the [Start] menu and select [Settings] and [Control Panel].
  3. Double-click the [Scanners and Cameras] icon or folder.



Check to see if your camera model appears here.
The names of scanners and other devices for which drivers have already been installed will show in this window.

In Windows Me, the name of the installed cameras or scanners will display.

If your camera name appears in the Scanners and Cameras Properties window, use the following procedures to delete it.

Windows 98/2000

- Select the name of your camera and click the [Remove] button.

Windows Me

- Select the name of your camera, right-click the mouse and select [Remove].

Then follow the procedures described in Step 3 and after in P.53.

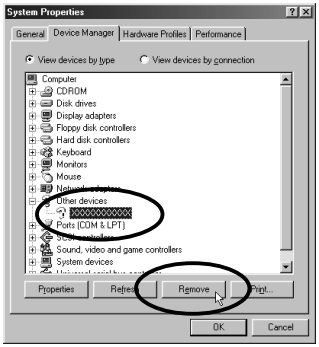
What to Do if Your Camera Model Name Is Not in the "Scanners and Cameras Properties" Device List or if the [Scanners and Cameras] Icon Is Not in the Control Panel

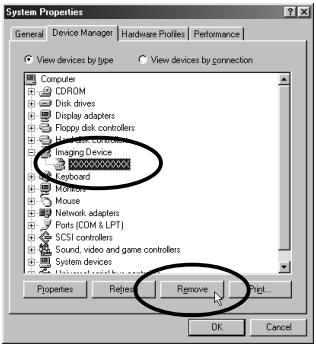
Windows 98/Windows Me

1. Double-click the [System] icon in the Control Panel and check the [Device Manager] tab.

1. Double-click the [System] icon in the Control Panel.
2. Click the [Device Manager] tab.

2. Check the [Other devices] or [Imaging Devices] categories for an item corresponding to your camera model. Delete it with the following procedures.





1. Select the item corresponding to your camera model and click the [Remove] button.
2. Click the [OK] button in the confirmation dialog.
3. Click the [OK] button to close the "System Properties" dialog.

3a. If you installed the software with the installer, then connected the camera to the computer and installed the USB Driver:
Click the [Start] menu and select [Programs], [Canon Utilities], [Digital Camera USB Driver] and [USB Driver Uninstall]. The uninstallation process is complete.

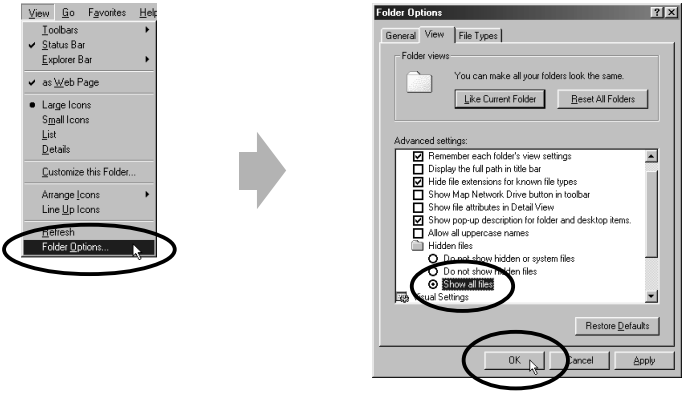
3b. If you connected the camera to the computer with the USB interface and installed the USB Driver before installing the software with the installer:
Follow the procedures from Step 4 below.

4. On the Windows desktop, double-click the [My Computer] icon, [C:] icon, [Windows] folder, and [Inf] folder in succession.

What to Do if the [Inf] Folder Is Not Visible in the [Windows] Folder

- Follow the procedures below to set the folder options to the "Show all files" setting.
  1. Click the [View] menu and select [Folder Options].
  2. Click the [View] tab.
  3. In the [Hidden files] category, select [Show all files].
  4. Click the [OK] button to close the "Folder Options" dialog.

  This will show all the previously hidden files.



5. Find and delete the [Drvdata.bin] and [Drvidx.bin] files.

The [Inf] folder contains numerous files. Ensure that you double-check the file names before you delete any files. Deleting the wrong file may, in the worst case scenario, result in the failure of your computer to run the Windows operating system.

6. Double-click the [Other] folder inside the [Inf] folder.

7. Find and delete the [Canon.IncCanon_DC], [Canon.IncCanonDC1] or [Canon.IncCanonDC2] file.

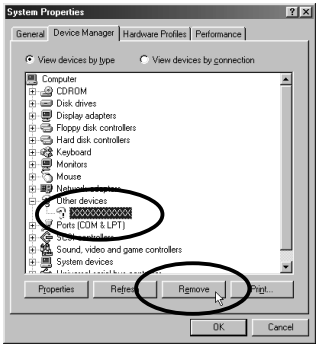
Skip this step if this file is not present in the [Other] folder.

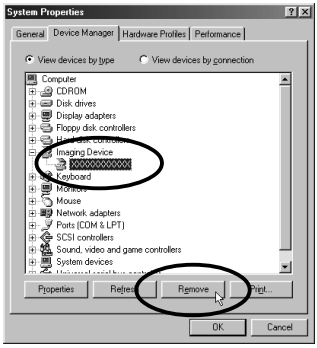
Windows 2000

Log onto Windows 2000 as an Administrator before uninstalling the USB driver.

1. Open the System Properties dialog and check the Device Manager tab.
1. Double-click the [System] icon in the Control Panel.
2. Click the [Hardware] tab, followed by the [Device Manager] button.

2. Check the [Other devices] or [Imaging Devices] categories for an item corresponding to your camera model. Delete it with the following procedures.





1. Select the item corresponding to your camera model and click the [Remove] button.
2. Click the [OK] button in the confirmation dialog.
3. Click the [OK] button to close the "System Properties" dialog.

3a. If you installed the software with the installer, then connected the camera to the computer and installed the USB Driver:
Click the [Start] menu and select [Programs], [Canon Utilities], [Digital Camera USB Driver] and [USB Driver Uninstall]. The installation process is complete.

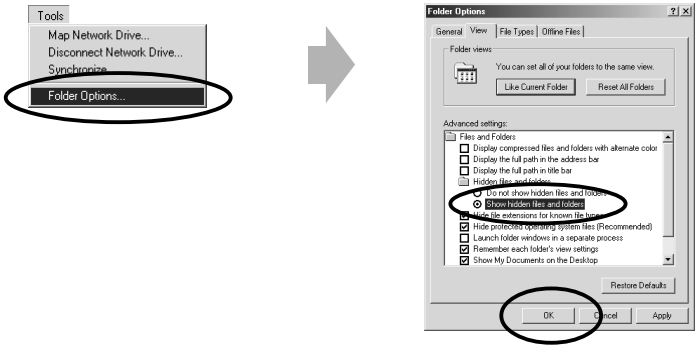
3b. If you connected the camera to the computer with the USB interface and installed the USB Driver before installing the software with the installer:
Follow the procedures from Step 4 below.

4. On the Windows desktop, double-click the [My Computer] icon, [C:] icon, [Windows] folder, and [Inf] folder in succession.

What to Do if the [Inf] Folder Is Not Visible in the [Winnt] Folder

1. Open the [Winnt] folder.
2. Click the [Tools] menu and select [Folder Options].
3. Click the [View] tab.
4. In the [Advanced Settings] category, find the [Hidden Files and Folders] subcategory and select [Show hidden files and folders].
5. Click the [OK] button to close the "Folder Options" dialog.

This will show all the previously hidden files and folders.



5. Look for files starting with [Oem*].

A number such as 0 or 1 will appear in place of the "*"after the "Oem" prefix in the file name.

For each [Oem*] file there is a companion [Oem*.pnf] file with the same number following the "Oem" prefix (e.g. the Oem0 and Oem0.pnf files form one set of Oem files).

- Please note that numerous groupings of "Oem" files may be present in the [Inf] folder. Do not delete the wrong files.

6. Search for the [Oem*] files for Canon digital cameras.

Double-click a file to open it in the Windows Notepad accessory and look for [;*** Canon Digital Camera USB Setup File ****] in the first line. If you find it, note down the file name and close Notepad.

7. Delete the [Oem*] file and corresponding [Oem*.pnf] file.

Ensure that you have the correct files before deleting them.

The [Inf] folder contains numerous files. Ensure that you double-check the file names before you delete any files. Deleting the wrong file may, in the worst case scenario, result in the failure of your computer to run the Windows operating system.

Using the Software on the Macintosh Platform

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Introducing the Software

This section introduces the powerful software programs for the Macintosh platform contained on the CD-ROM included with the camera.

Canon Digital Camera Solution Disk

Some camera models do not support some of the software functions. Please check the Camera and Software Compatibility chart to confirm the compatibility of your camera. (➜ p. 61)

ImageBrowser

To load camera images, start ImageBrowser.

Camera Connection Functions

(Also effective for CF card readers or PC card readers)

- Displays camera images.
- Downloads still images and movies from the camera to the computer.
- Loads and saves RAW images in the RAW format.
- Converts and saves RAW images in other formats.
- Saves computer images to a CF card in the camera.
- Edits the print order settings (DPOF-compliant settings) of images on a CF card.
- Edits slide shows for replay on the camera.
- Connecting to a USB port automatically starts ImageBrowser and displays the camera images.
- Sets the camera parameters.

Image File Management Functions

- Displays, moves, copies or deletes images stored on computer disks.
- Allows simple editing procedures, such as image color adjustments and cropping.
- Displays all the files in a specified folder at once.
- Displays files in chronological order in a window that looks like a time tunnel.
- Replays images from the computer one-by-one at full screen size to simulate a slide show.

Image Printing Functions

- Prints multiple images on the same page.
- Allows you to freely resize images and change layouts.
- Allows you to place titles or captions anywhere on the page.

Supports PhotoStitch Panoramas

- Allows you to select camera images or images registered with ImageBrowser and start PhotoStitch from within ImageBrowser to merge a series of images into a panorama in a few simple steps.

Supports ArcSoft PhotoImpression, Adobe Photoshop LE or PhotoDeluxe

- Allows you to select images registered with ImageBrowser and start one of these photo-retouching programs from within ImageBrowser to edit and apply special effects to your images.

Adjusting Images for Transmission by E-mail

- Allows you to adjust image size and compression settings so that large image files can be made smaller for transmission as e-mail attachments.

PhotoStitch

- Effortlessly merges images that are shot over several frames with a camera.
- Automatically arranges images shot in Stitch Assist mode into the correct order and effortlessly merges them.
- Merges any number of images horizontally or vertically, or in a matrix format.
- Makes images with straight lines appear natural not crooked when merged. (Select the wide display format.)
- A 360-degree scene shot in several frames can be merged into a 360-degree image and saved in the QuickTime VR format, making it appear as if you were standing in the middle of the image looking about in all directions.

RemoteCapture

- Connecting via a USB port allows you to release the camera's shutter button from the computer. The images load directly into the computer.
- Connecting via a USB port also allows you to load images directly into the computer by clicking the camera's shutter button.
- Allows interval shooting with custom interval and frame settings.

Plug-In Module

Canon Digital Camera Plug-In Module

The Plug-In Module is the driver utility program that works within plug-in compliant application programs, such as Adobe Photoshop LE or Adobe PhotoDeluxe, to load camera images directly into the application program. The Plug-In Module is started from within the plug-in compliant application program. It cannot be used as a stand-alone program.

Apple QuickTime

- Installing Apple QuickTime allows you to replay the movies you shot or view images in the QuickTime VR format that you merged with PhotoStitch.

ArcSoft Camera Suite CD-ROM*

ArcSoft PhotoImpression

- Allows you to edit and apply special effects to images as well as effortlessly create greeting cards and calendars.

ArcSoft VideoImpression

- Allows you to effortlessly edit and save movies, making it easy to integrate movie clips and stills into a single movie or delete frames.

Adobe Photoshop LE CD-ROM*

Adobe Photoshop LE

- Allows you to edit images, apply special effects, print and create sophisticated graphics for the web.

Adobe PhotoDeluxe Home Edition CD-ROM*

Adobe PhotoDeluxe Home Edition

- Allows you to edit images and effortlessly create greeting cards, birthday cards and calendars.

* The retouching software bundled with cameras varies between camera models. Some models are not bundled with retouching software. Please refer to the System Map for the programs supplied with your camera.

Camera and Software Compatibility

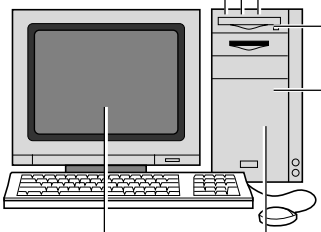
The Canon Digital Camera Solution Disk contains a number of software programs and drivers. Check the chart below for the compatibility of your particular camera model with each program's special functions.

Function	Software	Model										
			PowerShot Series									
		EOS D30	Pro90 IS	G1	S10/S20	A10/A20	S100 DIGITAL ELPH	S300 DIGITAL ELPH	S110 DIGITAL ELPH	DIGITAL IXUS	DIGITAL IXUS 300	DIGITAL IXUS v
Computer Interface	USB(1)	●	●	●	●	●	●	●	●	●	●	●
	Serial	–	●	●	●	–	–	–	–	–	–	–
Downloading Camera Images	ImageBrowser Plug-In Module(2)	●	●	●	●	●	●	●	●	●	●	●
Downloading Movies	ImageBrowser	–	●	●	–	–	–	●	●	–	●	●
RAW Image Conversion	ImageBrowser Plug-In Module(2)	●	●	●	–	–	–	–	–	–	–	–
Uploading Images to Camera	ImageBrowser	●	●	●	●	●	●	●	●	●	●	●
Editing Camera Slide Show	ImageBrowser	–	●	●	●	–	–	–	–	–	–	–
Editing Camera Print Settings	ImageBrowser	●	●	●	●	●	●	●	●	●	●	●
Merging Images Shot in Stitch Assist Mode	PhotoStitch	–	●(4)	●(4)	●	●	●	●	●	●	●	●
Shooting from the Computer	RemoteCapture(3)	●	●	●	–	●	–	●	●	–	●	●

(1) Only compatible with Power Macintosh NEW G3/G4, PowerBook G3, iMac and iBook models with built-in USB ports.
(2) Since ArcSoft PhotoImpression and ArcSoft VideoImpression are not Plug-In compliant programs, images cannot be downloaded via the Plug-In Module.
(3) Only compatible with the USB interface.
(4) Images shot with the Wide Converter, Tele-converter or Close-up lens do not merge well in PhotoStitch.

System Requirements

The following system requirements must be met to install and operate the software.



Computer Model
Power Macintosh, PowerBook, iMac or iBook

OS
Mac OS 8.1 or higher, QuickTime 3.0 or a later version
(Not compatible with Mac OS X)

CPU
PowerPC

RAM
20 MB or more of application memory

Interface

USB: (Power Macintosh NEW G3/G4, PowerBook G3, iMac, iBook)
- Limited to genuine Apple Computer brand models with a built-in USB interface
- iMac computers running Mac OS 8.1 require installation of the "iMac Update 1.0" and "iMac Firmware Update 1.0"

RS-422: (Printer or modem port)

Free Hard Disk Space

Canon Utilities

ImageBrowser:	20 MB or more
PhotoStitch:	30 MB or more
RemoteCapture:	15 MB or more
Canon Digital Camera Plug-In Module:	15 MB or more
Adobe Photoshop LE*:	40 MB or more
Adobe PhotoDeluxe*:	70 MB or more
ArcSoft PhotoImpression*:	120 MB or more
ArcSoft VideoImpression*:	30 MB or more

Display

Minimum:	800 x 600 pixels, 256 colors
Recommended:	1,024 x 768 pixels, thousands of colors or more

Thousands of colors or more is required to use ArcSoft PhotoImpression or ArcSoft VideoImpression.

* The retouching software bundled with cameras varies between camera models. Some models are not bundled with retouching software. Please refer to the System Map for the programs supplied with your camera.

- A CD-ROM drive is required to install the software.
- QuickTime 4.1 is contained on the Canon Digital Camera Solution Disk.
- Plug-In Module is compatible with Adobe Photoshop 3.0 and later versions.
- ArcSoft PhotoImpression and ArcSoft VideoImpression require Mac OS 8.5 or higher.

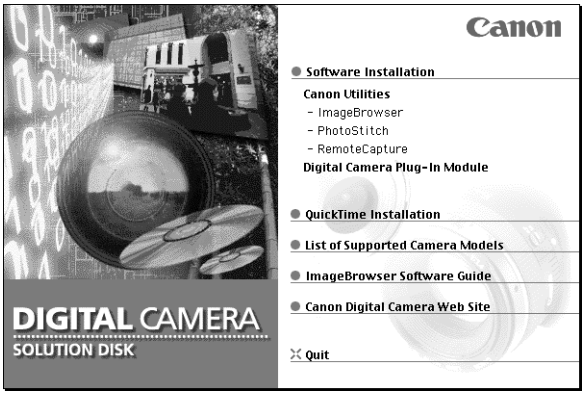
Installing/Uninstalling the Software

Installing from the Canon Digital Camera Solution Disk

1. Close any programs that are running.

2. Place the Canon Digital Camera Solution Disk in the CD-ROM drive.

3. Double-click the [CD-ROM] icon and the [Canon Digital Camera Installer] icon.
The installer panel will display.



4. Click [Software Installation].

5. Select the programs you wish to install and follow the on-screen instructions to install them.

6. Click the [Quit] button when the installation is complete and restart the computer if prompted.

Installing from the ArcSoft Camera Suite CD-ROM

To install ArcSoft PhotoImpression or VideoImpression, place the ArcSoft CD-ROM into the drive and double-click the [ArcSoft] icon on the desktop followed by the [English] folder and [PhotoImpression Installer] icon or the [VideoImp Installer] icon. Follow the on-screen instructions to install the program.

Installing from the Adobe Photoshop LE CD-ROM

Place the Adobe Photoshop LE CD-ROM in the drive and double-click the CD-ROM icon, the [Adobe Photoshop LE] folder and the [Install Photoshop LE] icon. Follow the on-screen instructions to continue with the installation.

> You must input the software serial number to install Adobe Photoshop LE. It can be found on the CD-ROM case.

Installing from the Adobe PhotoDeluxe CD-ROM

For installation instructions, please see the electronic guide (Getting Started.pdf) contained in the [Open Me First] folder on the Adobe PhotoDeluxe CD-ROM. Place it in the drive and click [Readme & Guide] and [Install Guide] in the window that displays.

> Write down the serial number shown during installation because it is required for the user registration process.

Uninstalling the Software

To uninstall a program, drag its folders to the Trash. Be careful, however, not to accidentally delete any of your images that may be stored in these folders.

For instructions on how to uninstall the Plug-In Module, open the [Canon Utilities] folder and [Digital Camera Plug-In] folder and read the [ReadMe] file.

Using ImageBrowser the First Time
(From Loading to Printing)

This section provides a simple explanation of the procedures for using ImageBrowser to perform each of the steps from loading to printing. Please refer to the ImageBrowser Help file or PDF file (ImageBrowser Software Guide) for more details. You can access the ImageBrowser Software Guide from the installer panel.

> Some camera models do not support all of the connection interfaces. Please check the Camera and Software Compatibility chart to confirm your camera's compatibility. (➜ p. 61)

What to Do if a Warning Dialog Displays

- If a set period of time passes without a camera function being accessed when the camera is connected via the USB interface, a message on the computer display will ask if you wish to remain connected. If you do not access a function, the camera will close the connection after an additional minute passes. (The power will remain on and no message will appear if the camera is powered by a household power source or its auto power off function is set to Off (excluding PowerShot S10/S20 models)).
- To reopen the connection, press the camera's shutter button or main switch. Please see the *Camera User Guide* for details.

Starting ImageBrowser

USB Interface

1. Attach the camera to the computer with the USB cable.

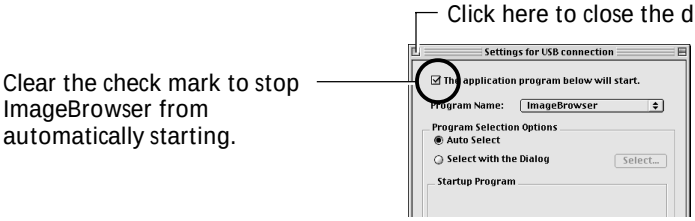
> Refer to *Where to Find Instructions for Attaching Your Camera to a Computer* (➜ p. ii) for connection instructions.

2. Set the camera to the mode for communicating with a computer.
ImageBrowser will start automatically and display the Communication Settings dialog.

3. Confirm that [USB Port] and your camera model are selected and click the [Set] button.
The images from the camera will display as small thumbnail images in the ImageBrowser Camera Window. (➜ p. 68)

How to Set ImageBrowser to Not Start Automatically

1. Open the Apple menu and select [Control Panels] and [Canon USB Camera]. The "Settings for USB Connection" dialog will display.
2. Click the [The application program below will start.] option to clear the check mark.
3. Click the close box at the upper left to close the dialog. ImageBrowser will cease to start automatically thereafter.



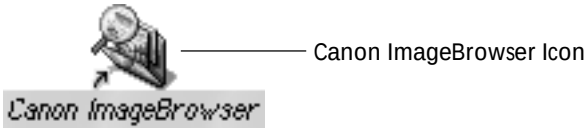
CF Card Reader or PC Card Slot Interface

1. Place the CF card into the CF card reader or into the PC card adapter and then into the PC card slot.

> Refer to *Where to Find Instructions for Attaching Your Camera to a Computer* (➜ p. ii) for connection instructions.

2. Start ImageBrowser.

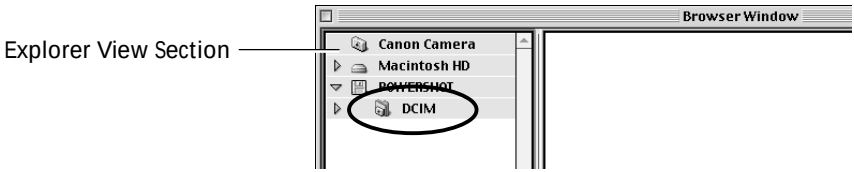
Double-click the [Canon ImageBrowser] icon on the desktop to start the program.



If the [Canon ImageBrowser] icon does not appear on the desktop, open the [Canon Utilities] folder and [ImageBrowser] folder and double-click the [ImageBrowser] icon.

3. Double-click the [DCIM] folder in the Explorer View Section.

The images from the CF card will display in ImageBrowser Camera Window as small thumbnail images. (➜ p. 68)



Serial Interface

1. Attach the camera to the computer with the serial cable.

> Refer to *Where to Find Instructions for Attaching Your Camera to a Computer* (➜ p. ii) for connection instructions.

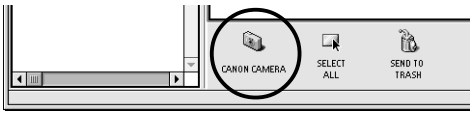
2. Set the camera to the mode for communicating with a computer.

3. Start ImageBrowser.
Double-click the [Canon ImageBrowser] icon on the desktop to start the program.

Canon ImageBrowser Icon

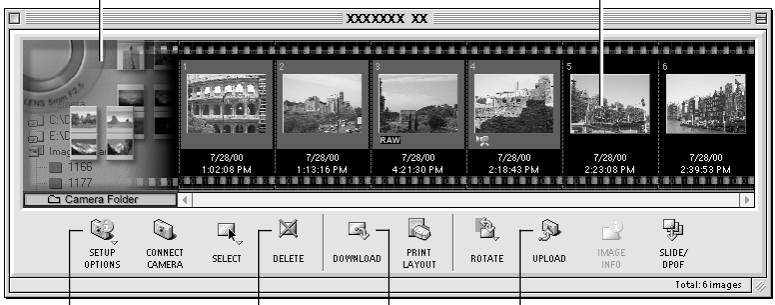
If the [Canon ImageBrowser] icon does not appear on the desktop, open the [Canon Utilities] folder and [ImageBrowser] folder and double-click the [ImageBrowser] icon.

4. Click the [Canon Camera] button.
The camera's images will display as small thumbnail images in the ZoomBrowser EX Camera Window. (➜ p. 68)



The ImageBrowser Camera Window

The Camera Window will open when a connection to a camera or CF card is initiated. Thumbnail (small) images will display.



Setup Options Button
Sets various camera settings (see inset below) using the computer.

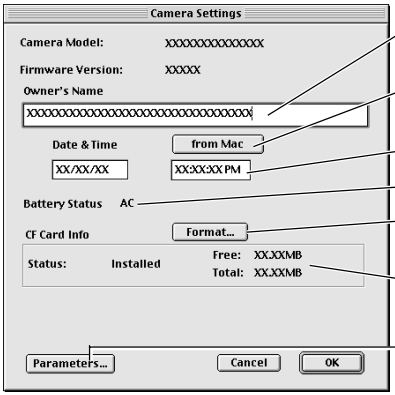
Delete Button
Deletes the selected images.

Upload Button
Copies images from the computer to the camera or CF card. (➜ p. 78)

Download Button
Copies selected images to the computer from the camera or CF card. (➜ p. 70)

How to Check and Change Various Camera Settings

- You can adjust the date, time and owner settings in the Camera Settings dialog using the computer when the camera is connected. You can also check the battery charge and remaining memory capacity.
  1. In ImageBrowser, click the [Setup Options] button to open the Camera Settings dialog. Or in Plug-In Module, click the [Camera Settings] button to open the Camera Settings dialog.
  2. Check or change the settings.



Input a camera owner name here. (up to 31 characters)

Click this button to synchronize with the computer's date and time settings.

Set the date and time.

Check the battery charge here.

Formats the CF card in the camera. (Except in PowerShot S10 / S20 models)

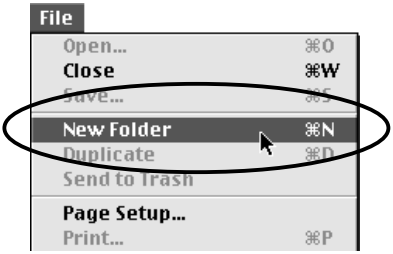
Check the remaining memory capacity here.

Sets the camera parameters (➜ p. 98) (Supported by the EOS D30 only)

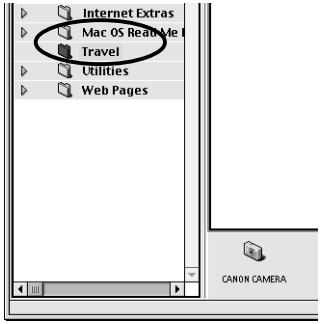
Loading and Saving Images from the Camera

1. Select [Macintosh HD] in the Explorer View Section.

2. Create a new folder in which to save the images from the camera.
Open the [File] menu and select [New Folder]. A folder with the name "Untitled" will be created. Click the folder and change the name as you wish.

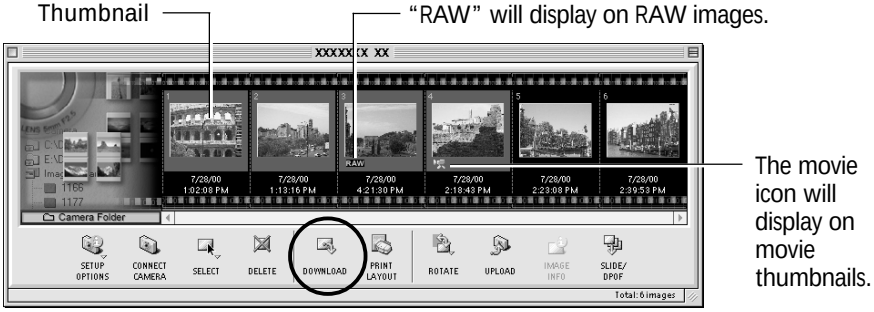


3. Select the new folder in the Explorer View Section.



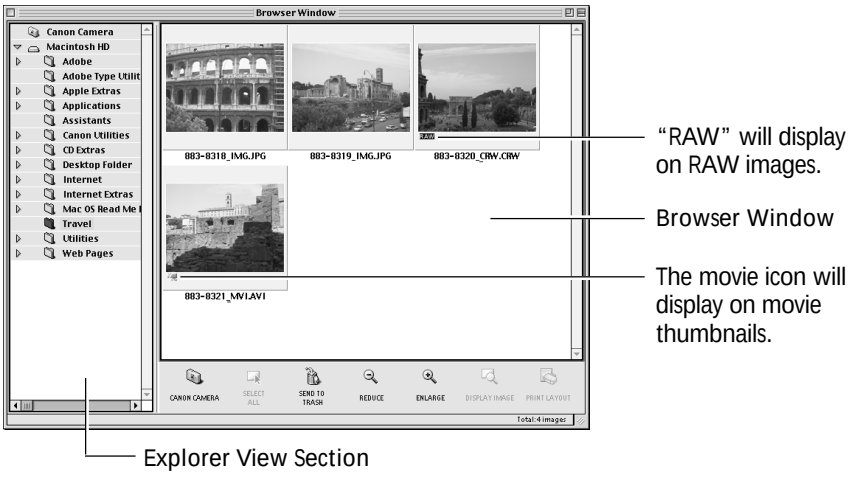
4. Select the images that you wish to download from the Camera Window and click the [Download] button.

Click the thumbnail you wish to select or press [Shift] and click to select multiple thumbnails.



The downloaded images will be saved to the computer disk and appear in the Browser Window.

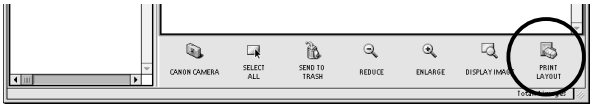
- You can also download images to the computer by dragging them from the Camera Window and dropping them on the Browser Window or Explorer View Section.



To disconnect the camera, click the close box ☐ at the upper left of the Camera Window. The Camera Window will close.

Printing Images

1. Select the image(s) you wish to print and click the [Print Layout] button.
- Movie images cannot be printed.
- You must convert RAW images before printing them (pp. 88-89, 99-101).



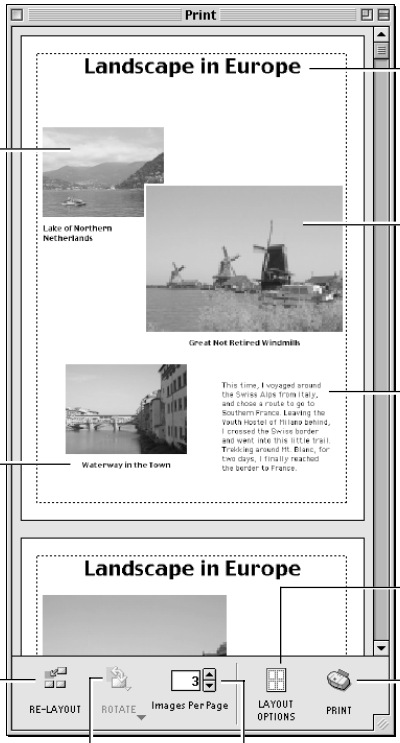
The Print window will display with the images arranged in an auto layout.

2. Adjust the print settings if you wish to change the page layout.

3. Click the [PRINT] button in the Print window.

Print Window

Please see the ImageBrowser Help file for more details on the Print window.


Print
Landscape in Europe
Lake of Northern Netherlands
Great Not Retired Windmills
Waterway in the Town
This time, I voyaged around the Swiss Alps from Italy, and chose a route to go to Southern France. Leaving the Youth Hostel of Milano behind, I crossed the Swiss border and went into this little trail. Trekking around Mt. Blanc, for two days, I finally reached the border to France.
Landscape in Europe
RE-LAYOUT
ROTATE
3
Images Per Page
LAYOUT OPTIONS
PRINT

Change the Image Size
Drag the border to resize the image.

Edit the Page Title
Open the [Edit] menu and select [Edit Header].

Change the Layout
Drag the images to change the layout.

Add Text
Open the [Edit] menu and select [Add Text].

Add a caption to an image
Click an image and select [Edit Caption] from the [Edit] menu.

Click this to select the Layout Type.
(➜ p. 72)

Click this to reset the image layout to the initial setting.

This button displays the Print dialog.

Click this to rotate the selected image.

This changes the default number of images printed per page.

Setting the Image Size for Printing

Fixed Photo Size

Images can be printed at standard photo print size.
Since the images are printed without gaps between them, they look like photo prints when they are cut with a cutter.

1. Click the [Layout Options] button in the Print window.
   The Layout Options dialog will display.
2. In the [Layout Type] category, select [Fixed Photo Size].
3. Set the photo size and click [OK].

Printing on Canon Perforated Paper

The [Canon Perforated Paper] option will be selectable in the Layout Options dialog if you are using a Canon BJ printer that supports Canon Perforated Paper media. Canon Perforated Paper has perforations at the preset dimensions allowing you to print at the specified size and simply tear along the perforated lines to produce an image with the appearance of a finished photo print. Please consult the BJ Solution Disk User's Guide for more details.

Using Additional ImageBrowser Functions

This section explains the additional features of ImageBrowser. Please refer to the ImageBrowser Help file or PDF file (ImageBrowser Software Guide) for more details.

> Some of the software functions are not supported by all of the camera models. Please check the Camera and Software Compatibility chart to confirm your camera's compatibility. (➜ p. 61)

Displaying Images

Zooming Images In and Out

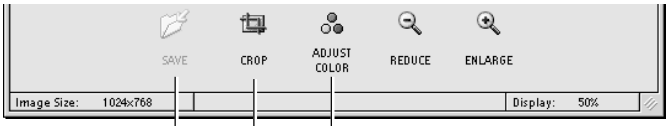
You can zoom images in and out by clicking the (REDUCE) or (ENLARGE) button.

Zooming a Single Image

Double-click an image in the Browser Window to display it in the Viewer Window.

Double-click the target image.

About the Viewer Window Edit Panel



Save Button
Saves the edited image as a new file.

Adjust Color Button
Color, brightness and contrast can be adjusted in the Adjust Color dialog.

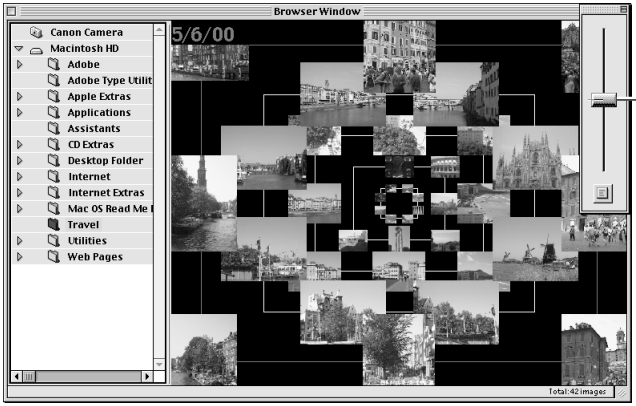
Crop Button
Drag the mouse cursor to select a crop area and click this button to trim unwanted portions of images.

Replaying Movies

Double-click a thumbnail with the movie icon to start QuickTime Player and replay the movie.

Displaying Images in Chronological Order

Select a folder, choose the [Display] menu and select [Switch to TimeTunnel]. All of the images in the selected folder will display in a time tunnel. To return to the Browser Window, choose the [Display] menu and select [Switch to Browser View].



Drag the tab up or down to go backward or forward in time.

Showing Images in a Slide Show

The slide show function displays images saved onto the computer disk one-by-one at full-screen size as if they were part of a slide show.

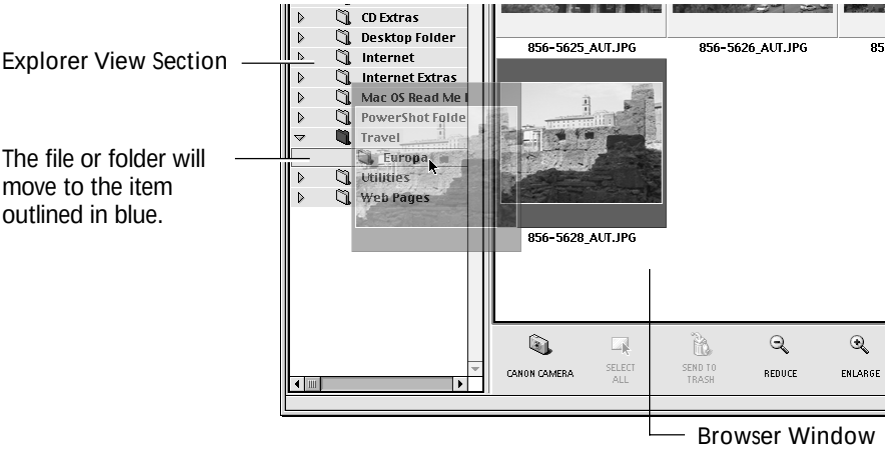
1. Click the [Display] menu and select [Slide Show Options].
2. Select a play method.
   The "Slide Show Options" dialog will display. Set a play interval and a transition effect and click the [OK] button.
3. Select images from the ImageBrowser Browser Window for showing.
4. Click the [Display] menu and select [Slide Show].
   The selected images will play in order. The slide show will close after the last image is displayed. If the slide show is set to repeat, press the [Esc] key to close the slide show.

Organizing Images

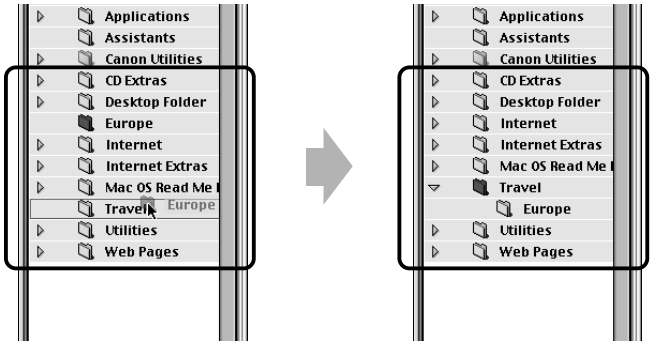
Changing the File Location

You can move an image file or folder by dragging and dropping it in another location.

(a) Drag and drop images from the Browser Window to another folder in the Explorer View Section.



(b) Drag and Drop a Folder within the Explorer View Section.



Refreshing the Contents of the Browser Window

If you have used the Macintosh Finder or another program to move or edit images that are registered with ImageBrowser, you should click the [Display] menu and select [Refresh].

Erasing Images

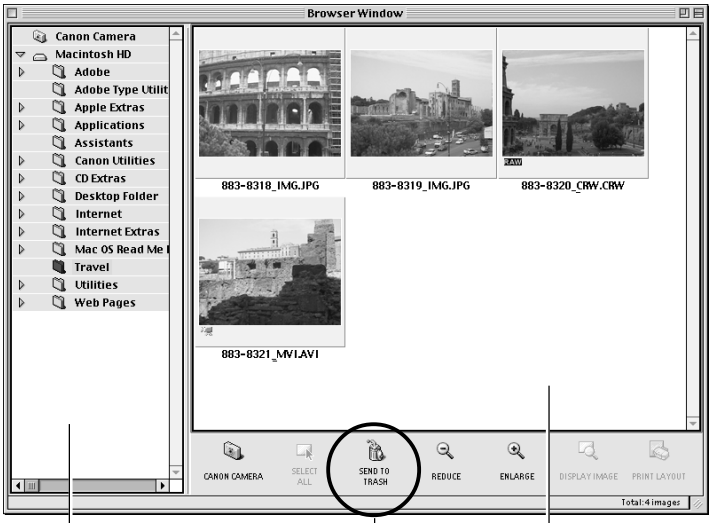
Erasing Images Singly

Select the target image in the Browser Window and click the [Send to Trash] button.

Erasing Images by Folder

1. Click the target folder in the Explorer View Section.
   The images in the folder will display in the Browser Window.

2. Click the [Send to Trash] button.



Explorer View Section
Click on a folder in the Explorer View Section to delete all its images in one step.

Send to Trash Button

Browser Window
Click the image in the Browser Window to delete a single image.

The deleted image files and folders are moved to the Trash folder on the desktop. To restore the deleted items, open the desktop Trash folder and drag and drop the target files or folders to their original locations.

Saving Computer Images to a CF Card in the Camera

1. Open the Camera Window. (➜ pp. 68-70)
2. Click the [Upload] button in the Camera Window.
   The "Select Images to Add" dialog will display.
3. Select the images from the computer and click the [Open] button.
   The "Save to Camera" dialog will display.
4. Select image size and resizing options and click the [Save to Camera] button.
   The selected image will be saved onto the camera's CF card.

Adding Sound Annotations to Images

If your computer has a microphone, you can attach a sound annotation to an image by clicking it in the Browser Window, choosing the [Sound] menu and selecting [Record].

Editing Camera Slide Shows

This function allows you to edit slide shows played by the camera. To edit slide shows shown on the computer display, see "Showing Images in a Slide Show." (➜ p. 75)

1. Open the Camera Window. (➜ pp. 68-70)
2. Click the [Slide/DPOF] button.
   The Edit Slide/DPOF window will display.
3. Click [Slide Show] in the upper left area of the window.
   The camera images will display on the left side. Images registered in the selected slide show will display on the right side.
   Slide Shows 1 to 3 correspond to the numbers of the slide shows that can be shown with the camera.
4. Drag and drop images from the area on the left to the area on the right to register them in the slide show.
   You can drag images to change their order in the area on the right. This order corresponds to the replay order.
5. Click the [Save to Camera] button.
   The slide show will be saved to the CF card in the camera.
6. Click the [Quit] button.

Editing the Print Order Settings (DPOF)

You can specify which images on a CF card you wish to print as well as the number of copies. You can also select the print type and whether or not the shooting date and file number information is printed with the image. A convenient feature of these settings is that they comply with the DPOF (Digital Print Order Format) standards, which allow you to print on any DPOF-compliant digital printer or to order prints from a participating photo developing laboratory.

1. Open the Camera window. (➜ pp. 68-70)

2. Click the [Slide/DPOF] button.
The Edit Slide/DPOF window will display.

3. Click [Print Order (DPOF)] in the upper left area of the window.

4. Select the print type from among the [Standard Print], [Index Print] or [Both] options.
- Standard .. Set the number of copies in the No. of Standard Print Copies column of the images you wish to print.
- Index ..... Click for a check mark below the thumbnails selected for printing.

5. Click the [Save to Camera] button.
The print order settings will be saved to the CF card in the camera.

6. Click the [Quit] button.

DPOF Settings Precaution

- A warning message will display if ImageBrowser encounters print settings data it does not support on a CF card with print settings created by a non-Canon brand DPOF-compliant digital camera. If any print settings on such a card are changed, all of them will be overwritten by ImageBrowser and lost.
- Some printers or photo developing laboratories may not be able to reflect all of the print settings in the output.

Adjusting Images for Transmission by E-mail

You can adjust the image size and compression to reduce the file size of an image for transmission as an e-mail attachment.

1. Select the target image(s) in the Browser Window.

2. Click the [File] menu and select [Create Image for Email].

3. Adjust the image size and compression.
The e-mail image creation window will display.
Set the image size and quality and follow the on-screen messages to complete the procedures.

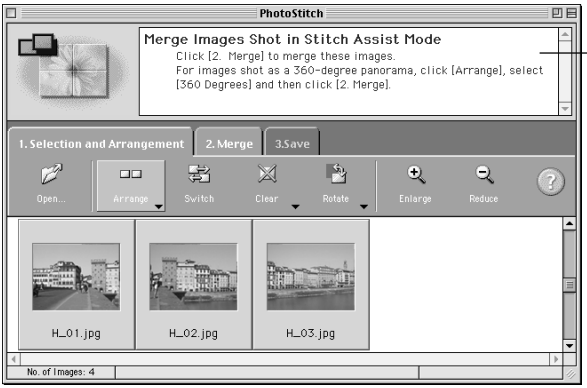
4. Click the [Finish] button.
When you click the [Finish] button, the image will appear in the [Email Images] folder and your e-mail program will start.

5. Create a new message.
Drag and drop the image from the [Email Images] folder into the message. Input your message, a subject, the recipient's address and send the message.
- Some e-mail programs will not start automatically. Start them manually if required.
- The image file to be sent via e-mail will be saved to the [ImageBrowser.mail] folder in the [ImageBrowser] folder. If you cannot drag and drop the file from the [Email Images] folder, look for it in the [ImageBrowser.mail] folder and attach it to your message.

Merging Panoramic Images with PhotoStitch

To Merge Images Registered in ImageBrowser

- You can merge a series of overlapping images into a single, seamless panorama.
- Select the images in the browser area, choose the [Edit] menu and select [PhotoStitch]. The PhotoStitch program will start.
- Follow the instructions in the guidance window to merge the images.
- Please refer to the PhotoStitch Help file for more details.

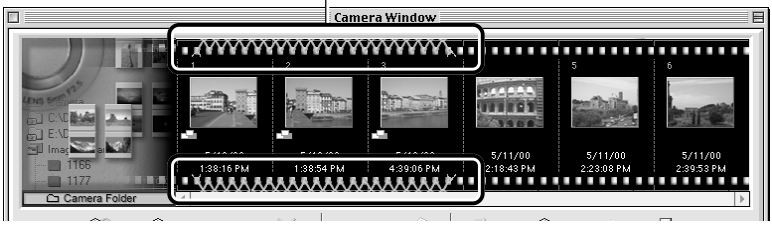


Follow the instructions to merge the images.

Images Shot in Stitch Assist Mode

- PhotoStitch automatically arranges images shot with the Stitch Assist mode of Canon digital cameras in the correct order and orientation, making it easy to merge these images. Stitch Assist mode images display in the Camera Window as shown below.

Stitch Assist mode images have a green stitch mark. Click the stitch mark to start PhotoStitch and merge them.



Please see the *Camera User Guide* for instructions for shooting in Stitch Assist mode.

Editing and Applying Special Effects to Images

ArcSoft PhotoImpression

1. Confirm that ArcSoft PhotoImpression has been installed.
2. Select an image from the Browser Window of ImageBrowser.
3. Click the [Edit] menu and select [ArcSoft PhotoImpression].
   Please refer to the ArcSoft PhotoImpression Help file for instructions for this program.
4. Edit and apply special effects to the image.
   ImageBrowser supports the BMP, JPEG, PICT and TIFF file formats.
   Click the [Display] menu and select [Refresh] to update the folder data.

Adobe Photoshop LE

1. Confirm that Adobe Photoshop LE has been installed.
2. Select an image from the Browser Window of ImageBrowser.
3. Click the [Edit] menu and select [Adobe Photoshop].
   Please refer to the Adobe Photoshop LE Help file and electronic guide (User Guide.pdf) for instructions for this program.
4. Edit and apply special effects to the image.
   - ImageBrowser supports the BMP, JPEG, PICT and TIFF file formats.
   - Click the [Display] menu and select [Refresh] to update the folder data.

Adobe PhotoDeluxe

1. Confirm that Adobe PhotoDeluxe has been installed.
2. Select an image from the Browser Window of ImageBrowser.
3. Click the [Edit] menu and select [Adobe PhotoDeluxe].
   Please refer to the Adobe PhotoDeluxe Help file and electronic guide (Getstart.pdf) for instructions for this program.
4. Edit and apply special effects to the image.
   - Once you have finished editing the image, click the [File] menu, select [Send to] and [File Format] and save the image.
   - ImageBrowser supports the BMP, JPEG, PICT and TIFF file formats.
   - Click the [Display] menu and select [Refresh] to update the folder data.

Editing Movies

ArcSoft VideoImpression

1. Confirm that ArcSoft VideoImpression has been installed.
2. Double-click the [VideoImpression] icon in the folder in which it was installed.
   ArcSoft VideoImpression will start.
3. Click the [New] button, add a movie or still image to the storyboard (a board like a film) and perform the edit.
   Please refer to the ArcSoft VideoImpression Help file for instructions for this program.
   - ImageBrowser supports the MOV and AVI file formats.
   - Movie files appear as icons in the ImageBrowser thumbnail view.

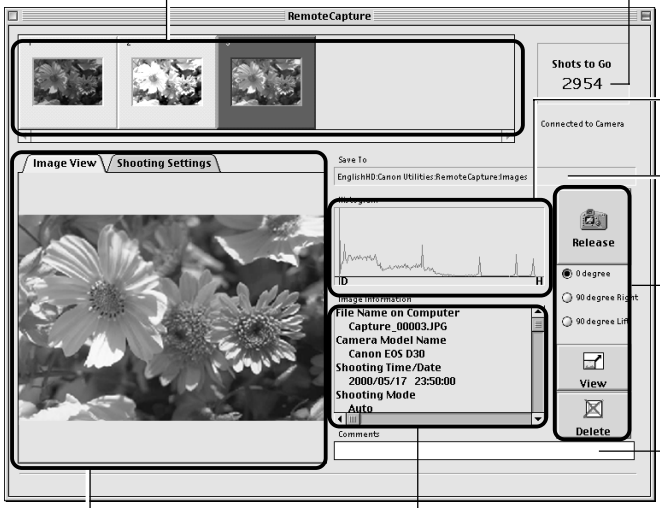
Shooting with RemoteCapture

RemoteCapture will start if you click the ImageBrowser [Edit] menu and select [RemoteCapture] when the camera is connected to the computer via a USB port. RemoteCapture lets you activate the camera's shutter button remotely from the computer. The captured image is automatically saved into the currently selected ImageBrowser folder.

- RemoteCapture can only shoot still images.
- If an EOS D30 camera is connected via a USB port, clicking the shutter button on the camera also downloads the image directly to the computer.

RemoteCapture Window

Thumbnail View
Displays thumbnails of all the images shot in the current session since RemoteCapture was started.



Number of Frames that Can Be Captured
Displays the number of images that can be saved to the computer or the camera's CF card.

Displays the distribution of brightness data.

Displays the location in which files are saved. (➜ p. 87)

Control Buttons
These buttons control the basic RemoteCapture functions. (➜ p. 85)

Allows you to add comments to images.

Displays the image information.

Image View
Displays the image selected in the Thumbnail View.

How to Start RemoteCapture Instead of Displaying the Camera Window

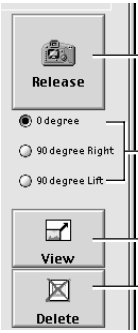
The settings can be changed so that ImageBrowser automatically starts RemoteCapture instead of its Camera Window when the camera is connected to the computer's USB port.

(1) Click the ImageBrowser [Edit] menu and select [Preferences].
(2) In the Preferences dialog, click the [Camera] tab and set [Camera Controls for USB Connection] to [Start RemoteCapture].

The RemoteCapture window will now show instead of the ImageBrowser Camera Window when the camera is connected to the USB port and starts ImageBrowser.

About the RemoteCapture Control Buttons

The control buttons are used to shoot, delete and display images.



Click here to trigger the camera and take a shot. The image is automatically saved to the computer.
Pushing the camera's shutter button directly will also save the image to the computer. (Supported by EOS D30 only).

Rotates the image saved to the computer by 90 degrees either way. Select one of these to automatically rotate and save images shot with the camera swiveled from a horizontal to a vertical orientation.

Displays the image selected in the Thumbnail View in the Viewer.

Deletes the image selected in the Thumbnail View. Please take proper caution before deleting because deleted images are completely erased from the computer in one step with this button.

Using Interval and Timer Shooting

RemoteCapture can be used to shoot a set number of images at specified intervals (Interval Shooting) or to shoot an image after a specified delay (Timer Shooting).

Interval Shooting

You can set the number of frames and the interval at which they are shot.

1. Click the [File] menu and select [Interval Shooting].
   The Interval Shooting dialog will display.
2. Set the number of frames and interval value and click [Start].
   RemoteCapture will start interval shooting, capturing the specified number of images at the specified intervals.

Timer Shooting

You can set the time delay before an image is shot.

1. Click the [File] menu and select [Timer Shooting].
   The Timer Shooting dialog will display.
2. Set the number of seconds and click [Start].
   RemoteCapture will start timer shooting, capturing an image after the specified delay.

Printing a Thumbnail Index Sheet

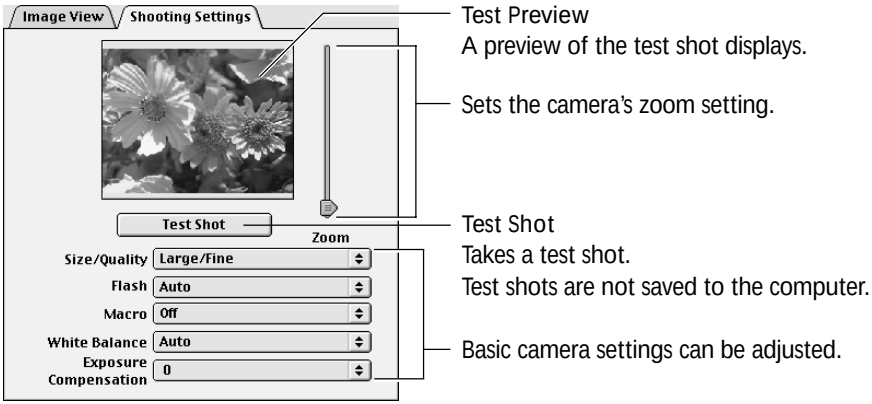
Thumbnails you select in the Thumbnail View can be printed in order on a single index sheet by clicking the [File] menu and selecting [Print Index]. Since the file name and shooting date and time can be printed with each image, index sheets serve as a convenient record of and reference for your images.

Precautions when Shooting with RemoteCapture

- If your computer is set to go into sleep mode, there is no guarantee that RemoteCapture will continue to function after the computer has entered sleep mode. Always turn off the sleep function before you start shooting with RemoteCapture.
- The camera's auto power save setting is disabled while connected to RemoteCapture, and the power remains on until manually turned off. You are recommended to power the camera with a household power source while it is connected.
- Please note that the camera will not be able to shoot at the specified interval if it is shorter than the time required to send the image and save it on the computer.
- If the camera is set for "mirror lockup" shooting, the shutter will activate approximately two seconds after the release button is clicked in RemoteCapture. (Supported by the EOS D30 only)

Setting Basic Shooting Settings in RemoteCapture

The camera's shooting settings can be adjusted by clicking the [Shooting Settings] tab in the RemoteCapture window.
Please adjust the shooting settings for the EOS D30 on the camera itself.

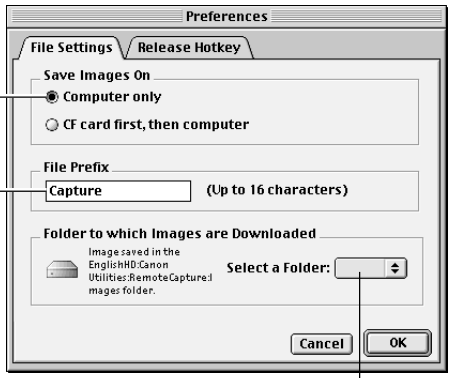


Changing the Save Location and Other Preferences

The Preferences dialog can be opened by clicking the RemoteCapture [File] menu and selecting [Preferences]. This dialog can be used to change the save location and settings.

Selects whether the image is saved only on the computer or on the camera's CF card too.

Sets the image file prefix. If the prefix is set to [Capture], for example, the first image will be named [Capture_00001.jpg] and successive images will have higher numbers.



Sets the folder in which the image file is saved.

Converting RAW Images

The RAW format records the image data as captured by the camera's image sensor without further processing by the camera. Although the data is compressed when recorded, the original data can be completely restored without any loss of quality, making it possible to obtain high-quality images. Moreover, the RAW image file format is extremely compact, creating files that are approximately one-third to one-quarter the size of an uncompressed file (RGB TIFF). Please refer to your *Camera User Guide* to learn how to set the camera to shoot in the RAW format.

The process of obtaining high-quality RGB signals from RAW format images (hereafter RAW images) is called "conversion." Since ImageBrowser can be used to adjust the attributes of the original data, you can achieve the effects you wish while maintaining high image quality. In contrast, image data recorded in the RGB TIFF and other standard uncompressed file formats is irrevocably processed in the camera and must be further processed irrevocably by retouching software to change the attributes, which reduces the image quality.

Please note that ImageBrowser or the Plug-In Module are required to load RAW images onto a computer.

Converting RAW Images without Adjusting the Quality

1. Select a RAW image.
Select a RAW image from the Browser Window of ImageBrowser.

2. Click the [File] menu and select [Convert RAW Images].
The image is converted and saved in a new TIFF (8 bits/channel) file. To learn how to change the file format, please see "How to Change the File Format" (➜ p. 89).

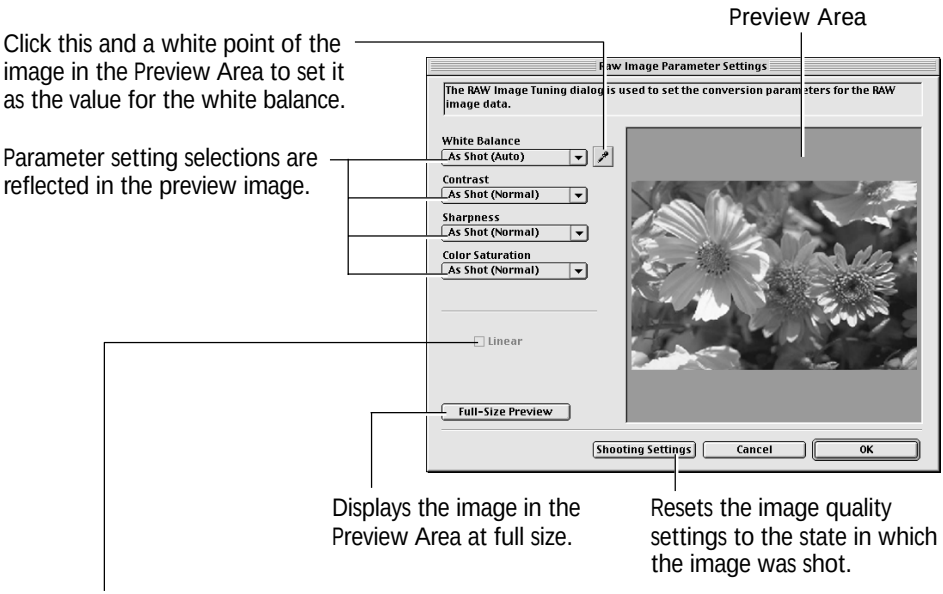
Converting RAW Images with Quality Adjustment

1. Select a RAW image from the Browser Window of ImageBrowser.

2. Click the [File] menu and select [Convert RAW Images with User Defined Parameters].
The RAW Image Parameter Settings dialog will display.

3. Select the quality settings and click [OK].
The RAW image is converted according to the specified parameters and saved in a new TIFF (8 bits / channel) file. If multiple RAW images are selected, the parameters are applied only to the first image. When only one RAW image is adjusted, the changes are also reflected in the remaining images in the selection. To learn how to change the file format, please see "How to Change the File Format" (➜ p. 89).

RAW Image Parameter Settings Dialog


Preview Area
Click this and a white point of the image in the Preview Area to set it as the value for the white balance.
Parameter setting selections are reflected in the preview image.
Raw Image Parameter Settings
The RAW Image Tuning dialog is used to set the conversion parameters for the RAW image data.
White Balance
As Shot (Auto)
Contrast
As Shot (Normal)
Sharpness
As Shot (Normal)
Color Saturation
As Shot (Normal)
Linear
Full-Size Preview
Shooting Settings
Cancel
OK
Displays the image in the Preview Area at full size.
Resets the image quality settings to the state in which the image was shot.

Placing a check here applies linear processing to the contrast, sharpness and color saturation, and allows the images to be edited with photo retouching software, such as Adobe Photoshop.

- The [Linear] option is only enabled when [TIFF 16 bits/channel] is selected as the file format.

Selecting and Adjusting the Attributes of Multiple RAW Images

Ensure that all images included in a multiple selection of RAW images are from the same camera before attempting to adjust the image attributes. The white balance will not adjust properly if images from different cameras are mixed and the [Manual] white balance option is selected in the RAW Image Parameter Settings dialog or if a white portion of the image is selected in the preview area.

How to Change the File Format

1. Click the ImageBrowser [Edit] menu and select [Preferences].
   The Preferences dialog will display.
2. Change the format selected in the [File Format] tab and click [OK].

Saving in the TIFF 16 Bits / Channel Format

When [TIFF 16 bits/channel] (supported by the EOS D30 only) is selected as the file format for saving RAW images, 16 bits of data is used to record each RGB channel. This image format can be used in several application programs, such as Adobe Photoshop LE. Formats other than TIFF 16 bits/channel all save the image using 8 bits per RGB channel.

Loading Images with Plug-In Compliant Application Programs

This section explains how to load images with Plug-In compliant application programs using Adobe Photoshop LE or Adobe PhotoDeluxe. Please refer to the manual for each application program for more details.

> Since ArcSoft PhotoImpression and ArcSoft VideoImpression are not Plug-In compliant programs, images cannot be downloaded via the Plug-in Module.

Using Adobe Photoshop LE

Installing the Software

Installing Plug-In Module

This program is required to load camera images into Plug-In compliant application programs. For instructions, see "Installing / Uninstalling the Software" (➜ p. 63).

Installing Adobe Photoshop LE

Place the Adobe Photoshop LE CD-ROM in the drive and double-click the CD-ROM icon, the [Adobe Photoshop LE] folder and the [Install Photoshop LE] icon. Follow the on-screen instructions to continue with the installation.

> You must input the software serial number to install Adobe Photoshop LE. It can be found on the CD-ROM case.

Copying Plug-In Module to the [Plug-Ins] Folder

1. Open the [Canon Utilities] and [Digital Camera Plug-In] folders.
2. Copy the [Canon Digital Camera Plug-In] file to the Adobe Photoshop LE [Import / Export] folder.
   Open the [Adobe Photoshop LE], [Plug-Ins] and [Import / Export] folders and copy the [Canon Digital Camera] file into the [Import / Export] folder.

Starting Adobe Photoshop LE

Connecting the Camera to a USB Port

1. Connect the camera to the computer's USB port.

   > Refer to *Where to Find Instructions for Attaching Your Camera to a Computer* (➜ p. ii) for connection instructions.

2. Set the camera to the mode for communicating with a computer.
   Although ImageBrowser will automatically start after a moment, you need to close it at this point.
   - See page 66 to learn how to set ImageBrowser so that it does not start automatically.
3. Start Adobe Photoshop LE.

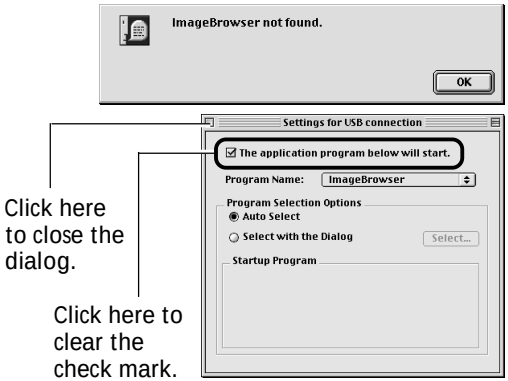
What to Do if the "ImageBrowser not found" Dialog Appears

If you install only the Canon Digital Camera Plug-In Module without ImageBrowser, the "ImageBrowser not found" dialog may display. If this happens, use the following procedures to prevent ImageBrowser from attempting to start automatically.

1. Click the [OK] button on the "ImageBrowser not found" dialog.
2. In the "Settings for USB connection" dialog, click the [The application program below will start.] option to clear the check mark.
3. Close the "Settings for USB connection" dialog.

This will prevent the "ImageBrowser not found" dialog from appearing again when the camera is connected.

- The "Settings for USB connection" dialog can be opened by choosing the Apple menu and selecting [Control Panels] and [Canon USB Camera]. (➜ p. 66)



Connecting via a CF Card Reader or PC Card Slot

1. Place the CF card into the CF card reader or into the PC card adapter and then into the PC card slot.

> Refer to *Where to Find Instructions for Attaching Your Camera to a Computer* (➜ p. ii) for connection instructions.

2. Start Adobe Photoshop LE.

Serial Interface

About AppleTalk

When connected to the printer or modem port via AppleTalk, choose the Apple menu, select [Chooser] and set AppleTalk to [Inactive].

1. Connect the camera to the computer with the serial cable.

> Refer to *Where to Find Instructions for Attaching Your Camera to a Computer* (➜ p. ii) for connection instructions.

2. Set the camera to the mode for communicating with a computer.

3. Start Adobe Photoshop LE.

Starting Plug-In Module and Loading Images

Plug-In Module can display still images only. Please start ImageBrowser to download movies to the computer.

Downloading Images from the Camera

1. Click the Adobe Photoshop LE [File] menu and select [Import] and [Canon Digital Camera Plug-In].
   Plug-In Module will Start.

2. Click the icon and set the communication settings.
   - USB Interface ..... Confirm that [USB Port] and your camera model have been selected and click the [Set] button.
   - Serial Interface ... Select the port and baud rate settings and click the [Set] button (➜ p. 102).

3. Click the [Camera] button.
   The images from the camera will display in the Thumbnail Display Area.

4. Select the images you wish to download and click the [Acquire] button.
   The images will appear in the Adobe Photoshop LE window.

5. Click the [Quit] button to close Plug-In Module.
   To save the loaded images, click the Adobe Photoshop [File] menu and select [Save]. Input a file name and change the file location and format settings if necessary.

Downloading Images Directly from a CF Card

1. Click the Adobe Photoshop LE [File] menu and select [Import] and [Canon Digital Camera Plug-In].
   Plug-In Module will start.

2. Click the [Computer] button.

3. Select the folder containing the images and click [Select].
   The images on the CF card will appear in the Thumbnail Display Area.

4. Select the images you wish to download and click the [Acquire] button.
   The images will appear in the Adobe Photoshop LE window.

5. Click the [Quit] button to close Plug-In Module.
   To save the loaded images, click the Adobe Photoshop LE [File] menu and select [Save As]. Input a file name and change the file location and format settings if necessary.

Guide to the Plug-In Module Window

Preferences Button
Displays and changes the image transmission settings. (➜ p. 101)

Display Style Button
Changes the shape of the thumbnail display area.

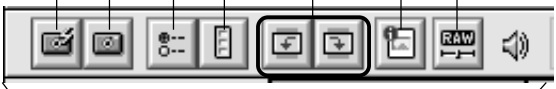
Rotate 90 Degrees Buttons
Rotates selected image left or right 90 degrees.

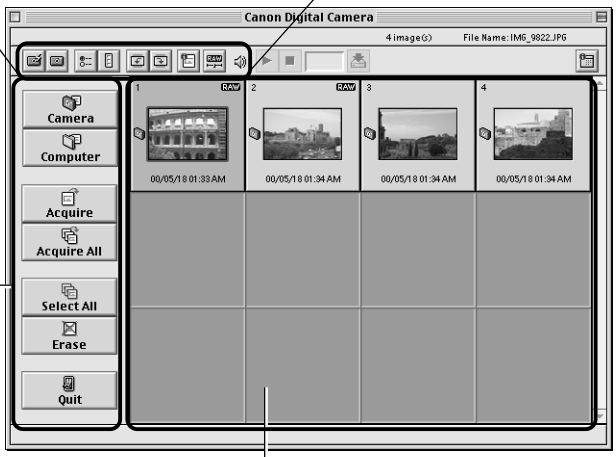
Camera Settings Button
Use to display and change the camera settings. (➜ p. 68)

Image Information Button
Displays image details

Communication Settings Button
Sets the settings for communicating with the camera.

RAW Button
Adjusts the quality at which RAW images are converted. (➜ p. 99)





Main Buttons
Use them to perform the main commands such as acquiring images and closing the program.

Thumbnail Display Area
Thumbnails of the camera's images display here when it is connected.

Using Adobe PhotoDeluxe

Installing the Software

Installing Plug-In Module

This program is required to load camera images into Plug-In compliant application programs. For instructions, see "Installing/Uninstalling the Software" (➜ p. 63).

Installing Adobe PhotoDeluxe

For installation instructions, please see the electronic guide (Getting Started.pdf) contained in the [Open Me First!] folder on the Adobe PhotoDeluxe CD-ROM.

The serial number shown during installation will be required for the user registration process.

Copying Plug-In Module to the [Plug-Ins] Folder

1. Open the [Canon Utilities] and [Digital Camera Plug-In] folders.
2. Copy the [Canon Digital Camera Plug-In] file to the Adobe PhotoDeluxe [Import / Export] folder.

Starting Adobe PhotoDeluxe

Connecting the Camera to a USB Port

1. Connect the camera to the computer's USB port.

   Refer to *Where to Find Instructions for Attaching Your Camera to a Computer* (➜ p. ii) for connection instructions.

2. Set the camera to the mode for communicating with a computer.

   Although ImageBrowser will automatically start after a moment, you need to close it at this point.
   - See page 66 to learn how to set ImageBrowser so that it does not start automatically.

3. Start Adobe PhotoDeluxe.

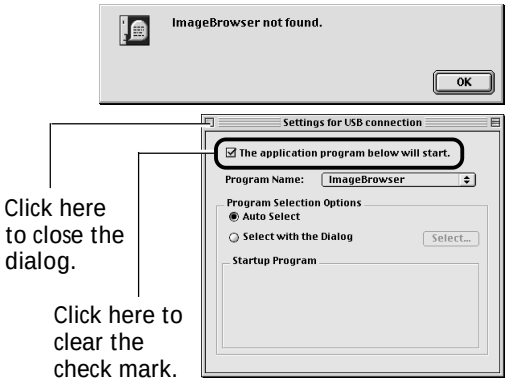
What to Do if the "ImageBrowser not found" Dialog Appears

If you install only the Canon Digital Camera Plug-In Module without ImageBrowser, the "ImageBrowser not found" dialog may display. If this happens, use the following procedures to prevent ImageBrowser from attempting to start automatically.

1. Click the [OK] button on the "ImageBrowser not found" dialog.
2. In the "Settings for USB connection" dialog, click the [The application program below will start.] option to clear the check mark.
3. Close the "Settings for USB connection" dialog.

This will prevent the "ImageBrowser not found" dialog from appearing again when the camera is connected.

- The "Settings for USB connection" dialog can be opened by choosing the Apple menu and selecting [Control Panels] and [Canon USB Camera]. (➜ p. 66)



Connecting via a CF Card Reader or PC Card Slot

1. Place the CF card into the CF card reader or into the PC card adapter and then into the PC card slot.

> Refer to *Where to Find Instructions for Attaching Your Camera to a Computer* (➜ p. ii) for connection instructions.

2. Start Adobe PhotoDeluxe.

Serial Interface

About AppleTalk

When connected to the printer or modem port via AppleTalk, choose the Apple menu, select [Chooser] and set AppleTalk to [Inactive].

1. Connect the camera to the computer with the serial cable.

> Refer to *Where to Find Instructions for Attaching Your Camera to a Computer* (➜ p. ii) for connection instructions.

2. Set the camera to the mode for communicating with a computer.

3. Start Adobe PhotoDeluxe.

Starting Plug-In Module and Loading Images

Plug-In Module can display still images only. Please start ImageBrowser to download movies to the computer.

1. Click the [Get Photo] button in the upper left area of the window.
2. Click [Get Photo] from the tab that displays and select [Cameras].
3. In the Select Input Source dialog, select [Canon Digital Camera Plug-In] and click the [OK] button.
   This step is not required after the first time.
4. Click the [Camera] icon.
   The Plug-In Module will start.

Downloading Images from the Camera

1. Click the icon and set the communication settings.
   This step is only required for connections via the USB or serial ports.
   - USB Interface ..... Confirm that [USB Port] and your camera model have been selected and click the [Set] button.
   - Serial Interface ... Select the port and baud rate settings and click the [Set] button (➜ p. 102).
2. Click the [Camera] button.
   The images from the camera will display in the Thumbnail Display Area.
3. Select the images you wish to download and click the [Acquire] button.
4. Input the file name in "untitled" box and click the [Save] button.
   The thumbnail will appear in the [My Photo] window at the lower right of the Adobe PhotoDeluxe window.
5. Click the [Quit] button to close Plug-In Module.
   To save the loaded images, click the Adobe PhotoDeluxe [File] menu and select [Save As]. Input a file name and change the file location and format settings if necessary.

Downloading Images Directly from a CF Card

1. Click the [Computer] button.
   The dialog will display.
2. Select the folder containing the images and click [Select].
   The images on the CF card will appear in the Thumbnail Display Area.
3. Download images using steps 3 to 5 of "Downloading images from the Camera".

Guide to the Plug-In Module Window

Preferences Button
Displays and changes the image transmission settings. (➜ p. 101)

Display Style Button
Changes the shape of the thumbnail display area.

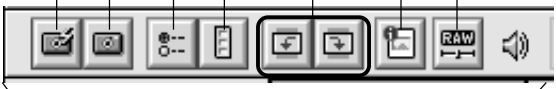
Rotate 90 Degrees Buttons
Rotates selected image left or right 90 degrees.

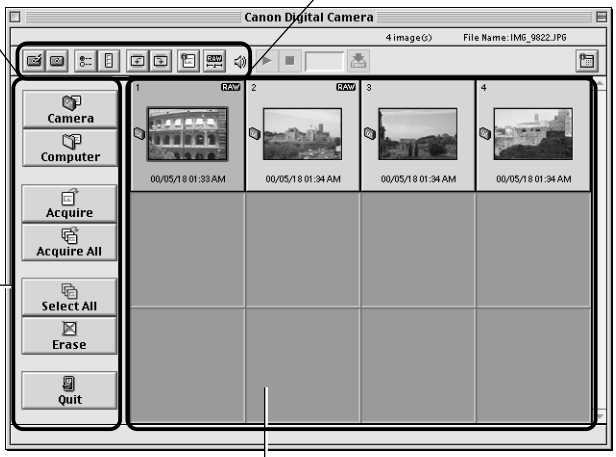
Camera Settings Button
Use to display and change the camera settings. (➜ p. 68)

Image Information Button
Displays image details

Communication Settings Button
Sets the settings for communicating with the camera.

RAW Button
Adjusts the quality at which RAW images are converted. (➜ p. 99)





Main Buttons
Use them to perform the main commands such as acquiring images and closing the program.

Thumbnail Display Area
Thumbnails of the camera's images display here when it is connected.

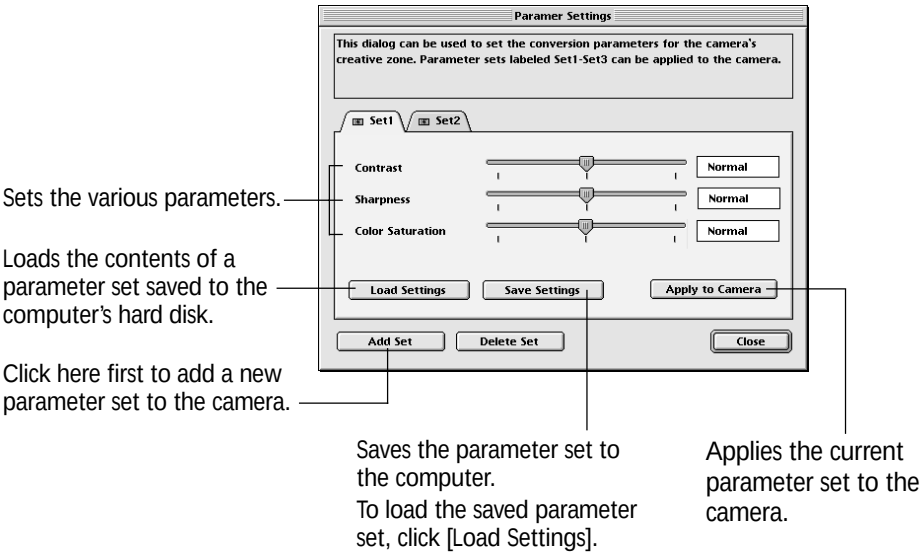
Setting the Parameters (EOS D30 Only)

Up to three sets of parameters for loading images can be set in the Plug-In Module using the Parameter Settings dialog in addition to the parameters already set on the camera.

Please see the Camera User's Guide to learn how to select the parameters for the camera that are set with the computer.

1. Click the [Camera Settings] button in the Plug-In Module window.
   The Camera Settings dialog will display.
2. Click the [Parameters] button.
   The Parameter Settings dialog will display.
3. Click [Add Set].
   Click [Add Set] and select the number of the set you wish to add.
4. Set each parameter.
5. Click [Apply to Camera].
   The settings will be applied to the camera.

Parameter Settings Dialog


Paramer Settings
This dialog can be used to set the conversion parameters for the camera's creative zone. Parameter sets labeled Set1-Set3 can be applied to the camera.
Set1
Set2
Contrast
Sharpness
Color Saturation
Normal
Normal
Normal
Load Settings
Save Settings
Apply to Camera
Add Set
Delete Set
Close
Sets the various parameters.
Loads the contents of a parameter set saved to the computer's hard disk.
Click here first to add a new parameter set to the camera.
Saves the parameter set to the computer.
To load the saved parameter set, click [Load Settings].
Applies the current parameter set to the camera.

Converting RAW Images

The RAW format records the image data as captured by the camera's image sensor without further processing by the camera. Although the data is compressed when recorded, the original data can be completely restored without any loss of quality, making it possible to obtain high-quality images. Moreover, the RAW image file format is extremely compact, creating files that are approximately one-third to one-quarter the size of an uncompressed file (RGB TIFF). Please refer to your Camera User Guide to learn how to set the camera to shoot in the RAW format.

The process of obtaining high-quality RGB signals from RAW format images (hereafter RAW images) is called "conversion." Since the Plug-In Module can be used to adjust the attributes of the original data, you can achieve the effects you wish while maintaining high image quality. In contrast, image data recorded in the RGB TIFF and other standard uncompressed file formats is irrevocably processed in the camera and must be further processed irrevocably by retouching software to change the attributes, which reduces the image quality.

Please note that ImageBrowser or the Plug-In Module are required to load RAW images onto a computer.

- ArcSoft PhotoImpression is not a Plug-In compliant program, and this function can not be used.

Converting RAW Images without Adjusting the Quality

1. Select a RAW image.
Select a RAW image from the Thumbnail Display Area of the Plug-In Module.

2. Click the [Acquire] button.
The image will be converted and sent to Adobe Photoshop or Adobe PhotoDeluxe at 8 bits per RGB.
To learn how to change the file transmission format, please see "How to Change the File Transmission Format" (➜ p. 101).

Converting RAW Images with Quality Adjustment

1. Select a RAW image.
Select a RAW image from the Thumbnail Display Area of the Plug-In Module.

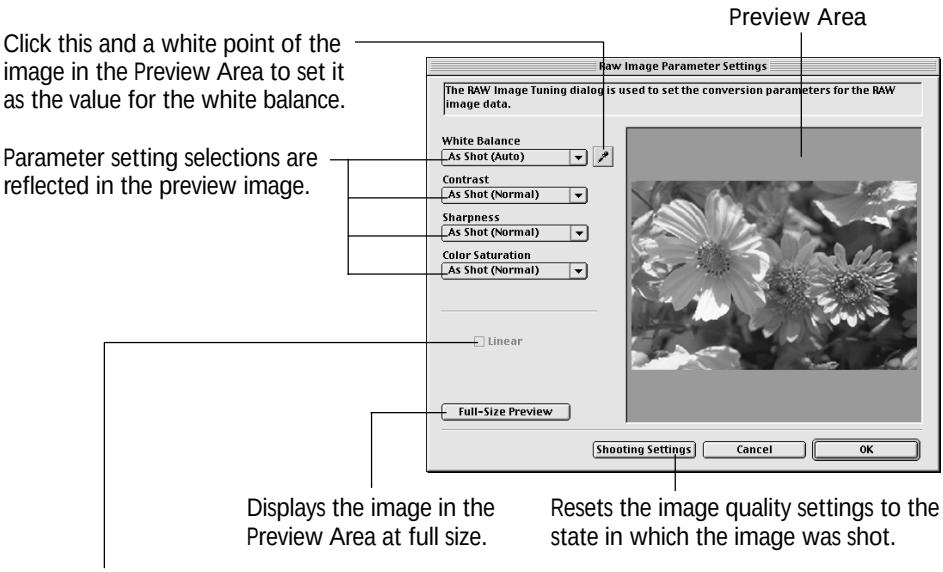
2. Click the Plug-In Module [RAW] button.
The RAW Image Parameter Settings dialog will display.

3. Select the quality settings and click [OK].
When an image is adjusted, the "RAW" symbol shown on its thumbnail will change from white to green. If multiple RAW images are selected, the parameters are applied only to the first image. When only one RAW image is adjusted, the changes are also reflected in the remaining images in the selection.

4. Click the [Acquire] button.
The RAW image will be converted according to the specified parameters and the data will be sent to Adobe Photoshop LE or Adobe PhotoDeluxe at 8 bits per RGB channel. To learn how to change the file transmission format, please see "How to Change the File Transmission Format" on the next page.

- The image quality settings return to the default settings when the Plug-In Module is closed. The settings will also be reset to the defaults if the connection to the camera is broken, or if the Plug-In Module window is refreshed as a result of an image being shot or deleted with the camera while it is connected.

RAW Image Parameter Settings Dialog


Preview Area
Click this and a white point of the image in the Preview Area to set it as the value for the white balance.
Parameter setting selections are reflected in the preview image.
Raw Image Parameter Settings
The RAW Image Tuning dialog is used to set the conversion parameters for the RAW image data.
White Balance
As Shot (Auto)
Contrast
As Shot (Normal)
Sharpness
As Shot (Normal)
Color Saturation
As Shot (Normal)
Linear
Full-Size Preview
Shooting Settings
Cancel
OK
Displays the image in the Preview Area at full size.
Resets the image quality settings to the state in which the image was shot.

Placing a check here applies linear processing to the contrast, sharpness and color saturation, and allows the images to be edited with photo retouching software, such as Adobe Photoshop.

- The [Linear] option is only enabled when [TIFF 16 bits/channel] is selected as the file format.

Selecting and Adjusting the Attributes of Multiple RAW Images

Ensure that all images included in a multiple selection of RAW images are from the same camera before attempting to adjust the image attributes. The white balance will not adjust properly if images from different cameras are mixed and the [Manual] white balance option is selected in the RAW Image Parameter Settings dialog or if a white portion of the image is selected in the preview area.

How to Change the File Transmission Format

1. Click the [Preferences] button in the Plug-In Module window.
   The Preferences dialog will display.
2. Change the transmission format in the [Send RAW image data to the application as] option and click [OK].

Transmitting in the TIFF 16 Bits / Channel Format

When [16 bits per color channel] (supported by the EOS D30 only) is selected as the transmission option for RAW images, images can be transmitted to the application at 16 bits per RGB channel. Although colors are expressed more vividly with the 16-bit setting than the 8-bit setting, the file size increases dramatically. Moreover, some image editing applications function only partially with files of this format or cannot open them at all.

Troubleshooting the Computer Connection

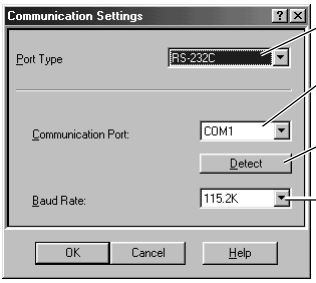
Double-Check:

1. Is the cable between the camera and computer correctly attached?
   Refer to *Where to Find Instructions for Attaching Your Camera to a Computer* (➜ p. ii) for connection instructions.
2. Is the camera's power on?
3. Is the battery charge sufficient?
   We suggest that you use the AC adapter to power a camera connected to a computer.

If the above conditions are met, check the following items.

- Have you tried switching the cable to a different port?
  If there is more than one port, try switching the cable to another port.
- Are the communication settings appropriate?
  If the settings for the port to which the camera is connected are incorrect, the Communication Settings dialog will display.

Windows Platform



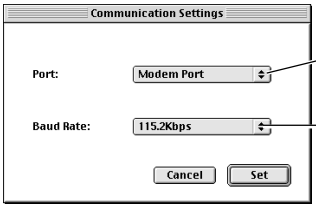
Select [USB] or [RS-232C].

Select the port to which the interface cable is connected.

If you are unsure to which serial port you are connected, click the [Detect] button.

Normally you should not need to change this setting, but set it to a lower speed if you try everything else and still cannot load images.

Macintosh Platform



Select the port to which the interface cable is connected.

Normally you should not need to change this setting, but set it to a lower speed if you try everything else and still cannot load images.

If these remedies do not work, please contact the nearest Canon Customer Support Help Desk.

Customer Support

Canon Customer Support

Canon Inc.
30-2 Shimomaruko 3-chome, Ohta-ku, Tokyo
146-8501, Japan

NORTH AMERICA

Canon U.S.A., Inc.
Canon Customer Care Center
Phone (US): 1-800-828-4040
(Available Mon. - Fri., 9 AM to 8 PM Eastern Time)

Canon Canada Inc.
Phone (Canada): 1-800-OK-CANON (1-800-652-2666)
(24 hours/day, 7 days/week)

EUROPE

Europe, Africa & Middle East

Canon Europa N.V.
PO Box 2262, 1180 EG Amstelveen, The Netherlands

Canon (UK) Ltd.
Helpdesk
Tel No.: 08705 143 723 (Calls may be recorded.)
Fax No.: 08705 143 340

Canon France S.A.
Hotline : 01.41.99.70.70
Tél : 01.41.99.77.77 Télécopie : 01.41.99.79.51

Canon Photo Vidéo France S.A.
Support Client: 01.41.30.15.15
Fax: 01.41.30.15.05

Canon Deutschland GmbH
Canon Hotline Service:
Customer Support: (02151) 349-555
Info Desk: (02151) 349-566
Fax: (02151) 349-588

Canon Euro-Photo GmbH
Customer-Support: (02154) 495-482 or 483
Fax: (02154) 495-489

Canon Italia S.p.A.
Pronto Canon : 02 8249 2000

Canon Belgium N.V. / S.A.
Helpdesk: 0900-10627
Tel.: (02) 722.04.11 Fax: (02) 721.32.74

Canon Luxembourg S.A.
Tel.: (352) 48 47 961 Fax: (352) 48 47 96232

Canon Nederland N.V.
Helpdesk: 023 - 5 681 681
Tel.: 023 - 5 670 123 Fax: 023 - 5 670 124

Canon Danmark A/S
Phone: +45 44882400
e-mail: helpdesk@canon.dk

Canon España S.A.
Help Desk: 906 301 255
Fax: (91) 411 76 65
E-mail: helpdesk1@btlink.net

Canon Norge as
Tlf. 22 62 93 21 Faks: 22 62 06 15
E-mail: helpdesk@canon.no

Finland

Canon OY
Puhelin: 010 54420 Fax: 010 544 4571
Help Desk: 0600 0 22606 (14,80 mk/min+pvm)
Help Desk: 0600 0 22666 (enint. 40mk/puhelu+pvm)
Sähköposti: helpdesk@canon.fi

Canon (Schweiz) AG
Tel. 01-835-6161, Fax 01-835-6526
Hotline 0900 57 55 20

Canon Svenska AB
Tel: 08-744 85 00 Fax: 08-744 64 65

Austria

Canon GmbH
Oberlaaerstraße 233 A-1100 Vienna
Tel: 01 680 88-0 Fax: 01 680 88-308

OCEANIA

Canon Australia Pty. Ltd.
Info-Line: (02) 9805 2864

Canon New Zealand Ltd.
Info-Line: 0900-522666

ASIA

Canon Singapore Pte. Ltd.
79 Anson Road, #09-01 / 06, Singapore 079906
Phone: (65) 532 4400 Fax: (65) 221 7577

Canon Hongkong Co., Ltd.
9/F, The Hong Kong Club Building, 3A Chater Road,
Central, Hong Kong
Phone: 852-2739-0802 Fax: 852-2369-7701

Canon Marketing Services
No.1 Jalan Kilang Timor, #09-00, Pacific Tech Centre,
Singapore 159303
Phone: (65) 799 8888 Fax: (65) 273 3317

Canon Marketing (Malaysia) Sdn. Bhd.
Wisma General Lumber, Block D, Peremba Square,
Saujana Resort, Section U2, 40150,
Shah Alam, Selangor Darul Ehsan, Malaysia
Phone: (60) 3 744 6000, (60) 3 745 0055
Fax: (60) 3 745 0505

Canon Marketing (Thailand) Co., Ltd.
10th Floor, Bangkok City Tower,
179/34-45 South Sathorn Road,
Bangkok 10120, Thailand
Phone: (662) 344 9999 Fax: (662) 344 9910

Canon Marketing (Hongkong) Co., Ltd.
10/F, Mirror Tower, 61 Mody Road, Tsimshatsui East
Kowloon HongKong
Phone: 852-2170-2828 Fax: 852-2723-9684

Adobe Customer Support

Adobe Systems Inc. technical support information is available in the PDF file format on the supplied CD-ROM.

PDF File Location and Opening Instructions

Place the Adobe Photoshop LE CD-ROM in the drive and double-click the [My Computer] icon on the Windows desktop, followed by the [Photosle] CD-ROM icon. The window will show folders with language names. Double-click the appropriate language folder and the [Support.pdf] file within it.

- To read PDF files, Adobe Acrobat Reader must already be installed on your computer. An installer for this program is on the Adobe Photoshop LE CD-ROM within each language folder in a folder labeled [Acroread].

ArcSoft Customer Support

North America

46601 Fremont Blvd., Fremont, CA 94538
Tel: (510) 440-9901 (Mon. - Fri., 8:30 AM - 5:30 PM PST)
E-mail: support@arcsoft.com

Other Regions

Please see the ArcSoft web site: http://www.arcsoft.com/maininternational.html.